# IT'S DAY ONE IN ATLANTA.

# CONFIDENTIAL

## **FOR QUESTIONS**

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## **BUILDINGS / SITES**

PLEASE PROVIDE INFORMATION REGARDING POTENTIAL BUILDINGS/
SITES THAT MEET THE CRITERIA DESCRIBED HEREIN. ALONG WITH
GENERAL SITE INFORMATION, PLEASE PROVIDE THE CURRENT
OWNERSHIP STRUCTURE OF THE PROPERTY, WHETHER THE STATE/
PROVINCE, OR LOCAL GOVERNMENTS CONTROL THE PROPERTY, THE
CURRENT ZONING OF THE SITE, AND THE UTILITY INFRASTRUCTURE
PRESENT AT THE SITE.



Atlanta is known for offering a unique mix of business-savvy and innovation. From startups to Fortune 500s, disruptive thinking and problem solving are impacting social good. At the same time, our region extends a welcoming sincerity that invites natives and newcomers alike into the circle.

### This is what Day One is about in Atlanta.

The metro Atlanta region is also, literally, situated around a circle — namely, the I-285 perimeter loop which wraps around our city in the forest. This highway distinguishes in-town living, also known as "ITP" (inside the perimeter) from our Main Street suburbs or "OTP" (outside the perimeter).

Metro Atlanta's economic development community has collaborated to give Amazon's team a view of the best of both of these worlds. Below you'll find six potential ITP sites where HQ2 can shape the skyline and three OTP sites where HQ2 can erect its own tech hub campus.

The site map provides a sense of how these sites relate to the geography and infrastructure of metro Atlanta, and the comparison table will allow you to evaluate the sites based upon specific characteristics requested in the RFP.

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## MIDTOWN DISTRICT

Midtown is the center of Atlanta's innovation and technology ecosystem. With a campus located in Midtown, Amazon can immediately accelerate innovation and disruption.

#### SITE DETAILS

- Anchored by Tech Square at Georgia Tech's Campus, Midtown has attracted 30+ corporate innovation centers, start-up tech companies, incubators, accelerators, and co-working spaces.
- Midtown offers the options of turnkey buildings available today requiring minimal modification or sites ready for Amazon's creative touch and unique identity.
- Existing buildings include the AT&T building (over 1.4 million square feet) and the adjacent Bank of America building (1.3 million square feet) with large vacancies in both. Space is also available in a 700,000-square foot building under construction near Georgia Tech called CODA.
- In addition to these buildings, several other development sites exist nearby. In addition, Amazon can erect a unique structure from the ground up at the North Avenue MARTA rail station as the air rights to the land above the station are available.

#### THE SETTING

- Midtown is a commercial and cultural hub, a mecca for the creative class, and a catalyst for innovation and technology.
- The portion of Midtown known as Tech Square encompasses
   1.4 million square feet of mixed-use development where
   Atlanta's most progressive research and educational
   developments are happening today.
- Tech Square is situated in the heart of top-ranked Georgia Tech's east campus. Named among the nation's top 10 public universities, Georgia Tech provides a technologicallyfocused education in the fields of engineering, computing, and the sciences plus business, design, and much more. More than 25,000 undergraduate and graduate students attend the institution each year.
- Georgia Tech awards more engineering bachelor's degrees to women than any other university in the nation.
   It's also ranked #2 for awarding engineering bachelor's degrees to African-Americans.
- The Savannah College of Art and Design is also nearby.
   SCAD offers more degree programs and specializations than any other art and design university in the U.S.

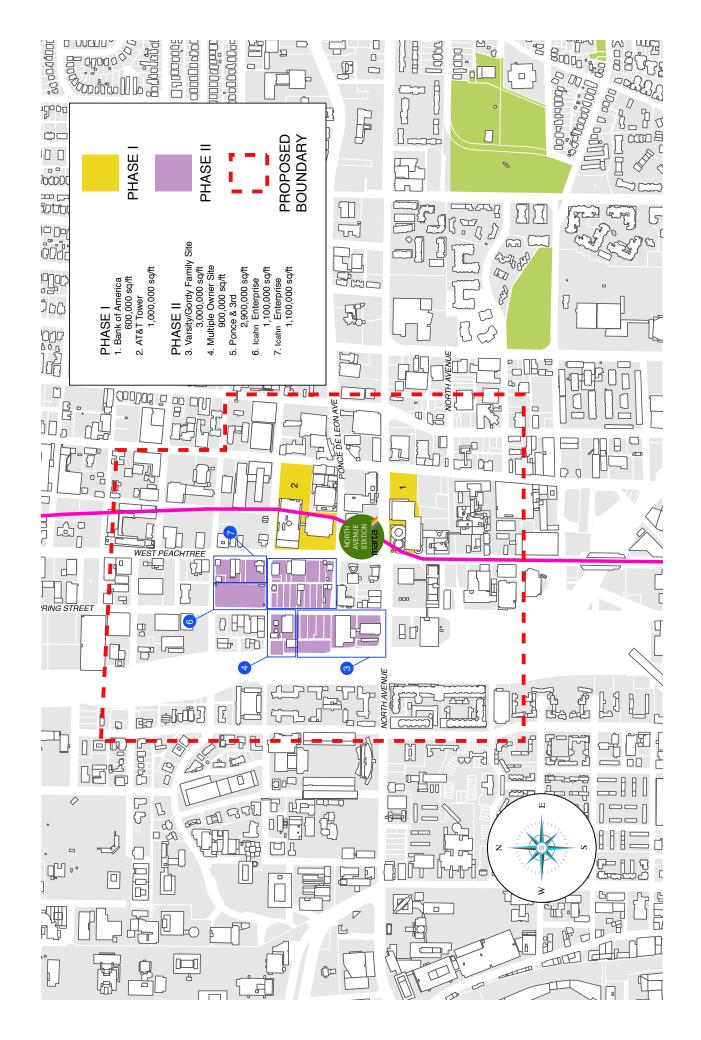
#### LIVABILITY

- The Midtown area includes some of the region's most desirable office, retail, and residential spaces, all in a bike-friendly, walkable community.
- Expansive Piedmont Park, a quintessential site for outdoor recreation and signature Atlanta events, is a short walk away along with access to the Atlanta BeltLine, a redevelopment project that connects intown neighborhoods via multi-use trails and parks.
- Housing options in this part of Atlanta include modern, high-rise apartments and condominiums along with more traditional, single-family homes and townhouses. Atlanta is known for our affordable cost of living compared to other major metropolitan cities.
- Access to public transit is convenient via the North Avenue MARTA rail station. 96 percent of all office space and 97 percent of all residential space are within a six-minute walk of a MARTA rail station. Multiple MARTA bus stops are also conveniently located throughout the area.
- A grid street plan in Midtown contributes to good traffic flow in this part of the city. And the world's most-traveled airport, Hartsfield-Jackson Atlanta International Airport, is only a 20-minute train or car ride away.
- Emory Univeristy Hospital Midtown is located nearby where some of the top specialists are advancing today's medical care. Emory Healthcare recently received a record \$628 million in external funding for research.
- With the largest concentrations of arts and cultural attractions in the Southeast, Midtown Atlanta offers lifestyle amenities like the Fox Theatre, The Woodruff Arts Center (including the High Museum of Art, Atlanta Symphony Hall and Alliance Theatre), numerous culinary offerings and other attractions.
- Historically, this part of the city can pays homage to innovators and progressive thinkers in other ways, too.
   Still the center of Atlanta's LGBTQ community, the Midtown area was a hotbed for the gay rights movement in the 1970s.

#### **INNOVATION ECOSYSTEM**

- Tech Square is the foremost destination for startups, incubators, scaling tech firms, corporate innovation centers, venture capitalists, and B2B firms.
- Built on the premise of creativity and innovation, Tech Square is where possibilities become probabilities.
- Georgia Tech and the City of Atlanta recently launched a Smart Corridor pilot along North Avenue, which runs through the core of this area, activating more than 100 IoT sensors at the street level to gather rich, real-time data. The "living lab," where the street itself can share information on maintenance needs, vehicle congestion, and public safety issues, will serve as a model for the future of urban mobility and is a key component of Atlanta's Smart City Deployment plan.
- Corporate titans like AT&T, Coca-Cola, Delta Air Lines, The Home Depot, and Panasonic have established corporate innovation centers at Tech Square to tap into the entrepreneurial spirit and originality that thrives here.
- When big names like Anthem, Honeywell, and NCR were contemplating where to locate their newest, most technologically-advanced business units and headquarters, they chose the Tech Square community.

District name	Midtown
One million population in MSA	Yes
Environment	Urban
Miles to population center (City Center)	Less than 1
Miles to International Airport	13
Miles to major highways or arterial roads	Adjacent to I-75/I-85 Downtown Connector
Direct access to Subway/Metro	Access to MARTA rail at North Ave Station (adjacent to several properties in district)
Direct access to Bus Routes	Access to MARTA bus at North Ave Station and other stand alone stops throughout district
Direct access to Rail/Train	N/A
500,000 sq. ft. initial site requirement by 2019	2M+ sf of existing office space available
Total solution for 8 million square feet by 2027	Build to suit opportunities on several developable parcels in the district
Sustainability features	All developers have experience with green building practices
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Multiple owners by parcel
Developer	Icahn Enterprises, Shorenstein Properties, Portman, and others
Zoning of Site	Development opportunity parcels are zoned high density mixed use, SPI-16. Existing buildings require no rezoning
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## DOWNTOWN SOUTH DISTRICT

Downtown South is the very heart of Atlanta. An Amazon campus here would bring crucial revitalization to the city's central business district.

#### SITE DETAILS

- Downtown South is comprised of a combination of highrise office buildings, historic warehouse buildings, and ready-to-build development sites. Home to some of the city's most historic architecture, this district features a small-block street grid with great bones for potential redevelopment.
- Available buildings include Centennial Tower along with significant redevelopment opportunities like the Norfolk Southern property and Underground Atlanta.
- The district is adjacent to Atlanta's convention and tourism area, which is home to one of the largest convention centers in the U.S., multiple museums, and entertainment venues.
- The area known as "The Gulch" is currently a series of service parking lots and railroad lines adjacent to Philips Arena. Recently, the Atlanta Hawks, with a private developer, unveiled plans for the development of a major entertainment district. This is a prime opportunity to put Amazon's mark on a reboot that will transform this part of Atlanta.
- Telecommunications fiber optics are extensive in this part of the city as evidenced by the technology companies that are located here.

#### THE SETTING

- Downtown Atlanta is the city's historic central business district and home to our state capitol building, city hall, primary tourism district, and one of the largest convention centers in the U.S.
- Though Downtown South has fallen behind some other areas of Atlanta as an office submarket, it has the bones to support a rebirth that would ignite development in this area.
- This area epitomizes Atlanta's history as "Terminus" the city's first nickname because of its founding as the end of the Western and Atlantic railroad line. And, of course, the region remains a transportation and logistics hub, ranked second in the U.S., just behind New York City.
- Nearby is Georgia State University, the state's largest education institution and the nation's fourth most innovative university, tied with Stanford University. GSU was named among the top 20 U.S. universities for ethnic diversity and is home to one of the nation's first university-based FinTech Lab.

- GSU adds to the region's cultural landscape with the Rialto Center for the Arts, which presents nationally acclaimed acts in the world of music, dance, and theater. Album 88, the institution's seminal indie radio station, is credited with breaking the likes of R.E.M., The B-52s, Outkast, Collective Soul, and others.
- This part of the city also reveals part of Atlanta's diversity.
   The Atlanta University Center (AUC) institutions, the world's largest consortium of historically black colleges and universities (HBCUs), are located nearby. They include Clark Atlanta University, Morehouse College, Morehouse School of Medicine, and Spelman College (the nation's number one HBCU for 2018).

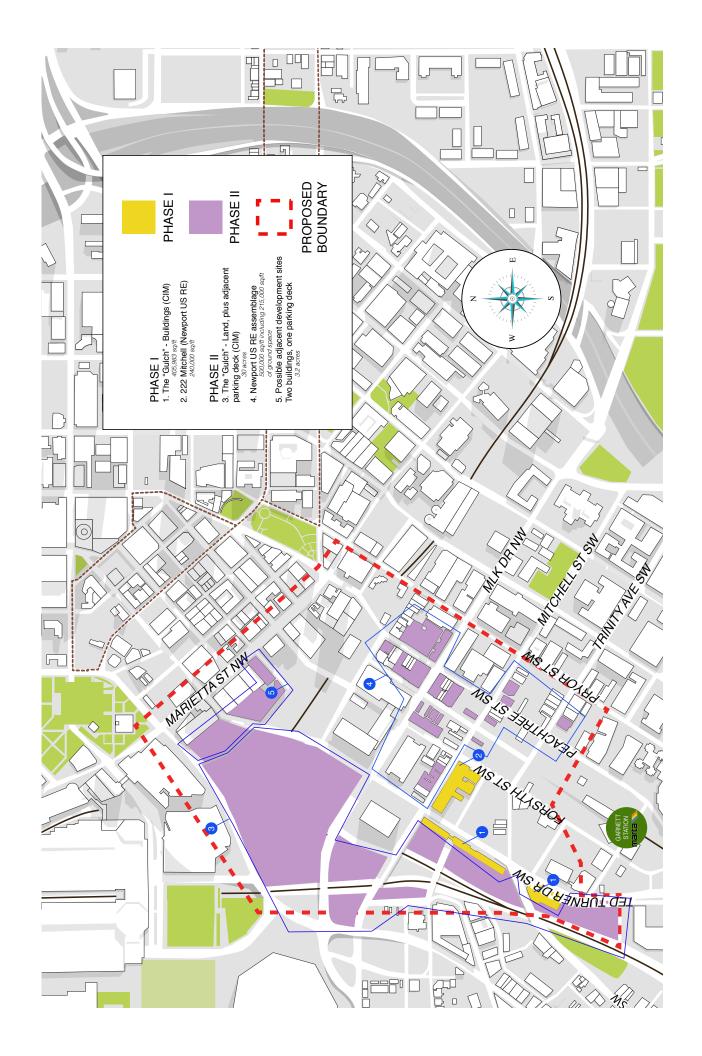
#### **LIVABILITY**

- From sports action at Philips Arena (home of the Atlanta Hawks) and the Mercedes-Benz Stadium (home to the Atlanta Falcons and Atlanta United) to tourist staples like the largest aquarium in the western hemisphere and World of Coca-Cola, there's always something to do in this part of Atlanta.
- In addition to academic and ethnic diversity, the AUC community offers cultural experiences in history, art, entertainment, culinary options, and much more that add life to this part of the city.
- The Castleberry Hill community is also here and has become an arts community of trendy small businesses, artists' lofts, and general creative buzz.
- Access to other parts of metro Atlanta are an easy transition via the Five Points MARTA rail station, which is the connection point for all four rail lines. Other nearby MARTA stations include locations at Philips Arena and Garnett.
- Quirky neighborhoods like Castleberry Hill, Summerhill, Cabbagetown, Edgewood, and West Midtown offer a variety of housing and lifestyle possibilities that are attractive to young talent.
- This area is not as densely populated as some parts of the city, which presents opportunities for options like additional streetcar infrastructure, new housing developments, retail amenities and more.
- The Hartsfield-Jackson Atlanta International Airport is a short 15-minute car ride or 10-minute train ride away.

#### **INNOVATION AND SOCIAL IMPACT**

- The English Avenue and Vine City communities located in this area are among the most economically underserved in the city.
- By reimagining this site as a vibrant, bustling campus that spurs additional economic development, Amazon can redefine this neighborhood's future.
- The redevelopment plans in play for Downtown South demonstrate the partnership between city leadership and the business community.

District name	Downtown South
One million population in MSA	Yes
Environment	Urban
Miles to population center (City Center)	1
Miles to International Airport	12
Miles to major highways or arterial roads	Less than 1 mile from I-75/I-85 Downtown Connector and I-20
Direct access to Subway/Metro	Access to MARTA rail at Five Points, GWCC, and Garnett Stations (all adjacent to several properties in district)
Direct access to Bus Routes	Access to MARTA bus service at three MARTA stations plus stand alone sites throughout district
Direct access to Rail/Train	3 blocks from Atlanta Streetcar
500,000 sq. ft. initial site requirement by 2019	650k sf of existing office space available across 3 buildings
Total solution for 8 million square feet by 2027	Build to suit opportunities on several developable parcels in the district
Sustainability features	All developers have experience with green building practices
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Newport Group and CIM
Developer	Newport Group and CIM
Zoning of Site	Majority of site is zoned SPI-1 (high density mixed use)
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## ARTS CENTER / ATLANTIC STATION DISTRICT

The Arts Center / Atlantic Station district offers a highly visible branding opportunity for Amazon with access to the best and brightest talent and some of the city's most noteworthy arts attractions.

#### **SITE DETAILS**

- The district offers 12 development opportunities totaling over 16 million square feet between three developers with great visibility from I-75 and I-85 highways.
- Hines offers development opportunities at Atlantic Station, a work-live-play community built on the site of a former steel mill.
- MetLife has embarked on a development called Midtown Heights that will have three million square feet of office space.
- Selig owns several parcels in the district that could accommodate over five million square feet of office space.
- At the Arts Center MARTA Station, a 500,000-square foot building will be constructed, which could also accommodate Amazon's newest high-tech campus.
- Several other major office buildings are proposed near the Arts Center area that may be available for Amazon.
   There are also multiple existing office buildings that could meet the phase one requirement immediately.

#### THE SETTING

- The Arts Center / Atlantic Station district offers countless cultural amenities and a wide variety of housing options.
- Fifteen years ago, Atlantic Station was redeveloped from a
  defunct steel plant that had become a brownfield. Today,
  it's a bustling work-live-play community ready for the next
  stage of growth. It's ready for a disruptor like Amazon to
  complete the transformation of this development.
- The site's proximity to Georgia Tech and SCAD provides a steady talent pipeline and the energetic environment to spur creativity and innovation.
- Named among the nation's top 10 public universities, Georgia Tech provides a technologically-focused education in the fields of engineering, computing, and the sciences plus business, design, and much more. More than 25,000 undergraduate and graduate students attend the institution each year.
- Georgia Tech awards more engineering bachelor's degrees to women than any other university. It's also ranked #2 for awarding engineering bachelor's degrees to African-Americans.

 The Savannah College of Art and Design (Atlanta campus) is also nearby. SCAD offers more degree programs and specializations than any other art and design university in the U.S.

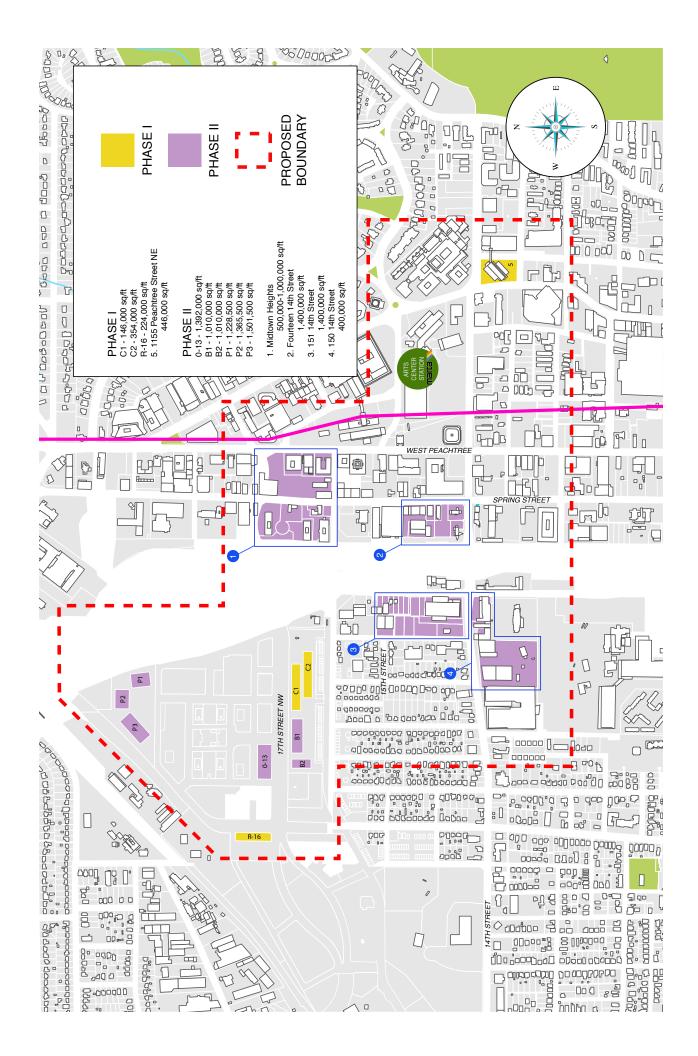
#### **LIVABILITY**

- This is the center of Atlanta's arts community The Woodruff Arts Center includes the High Museum of Art, Alliance Theatre, and Atlanta Symphony Orchestra. This area also boasts countless restaurants, bars, and nightlife options.
- The proximity to West Midtown broadens the scope of opportunities to enjoy that area's lifestyle amenities and housing options.
- In addition to high-rise apartments, condominiums, townhomes, and single-family houses in this area, Atlantic Station offers on-site residential options.
- The Arts Center / Atlantic Station district has one of the best access points to metro Atlanta's suburbs and downtown via the Arts Center MARTA rail station and adjacent proximity to the region's highway network.

#### **INNOVATION ECOSYSTEM**

- Amazon already has a presence in this part of the city with a logistics division located here.
- The district is home to corporations like Worldpay, Sage Software, Kaiser Permanente, Invesco, Wells Fargo, BB&T, and many others.
- Local tech companies have enjoyed remarkable success recruiting UI designers from nearby SCAD.

District name	Arts Center/Atlantic Station
One million population in MSA	Yes
Environment	Urban
Miles to population center (City Center)	1
Miles to International Airport	12
Miles to major highways or arterial roads	Adjacent to I-75/85 Downtown Connector
Direct access to Subway/Metro	MARTA rail at Arts Center and Midtown Stations (adjacent to several properties in district)
Direct access to Bus Routes	Yes, MARTA bus at Arts Center and Midtown Stations as well as multiple stand alone stops throughout district
Direct access to Rail/Train	N/A
500,000 sq. ft. initial site requirement by 2019	Yes, multiple build to suit options exist for delivery by late 2019/early 2020
Total solution for 8 million square feet by 2027	Build to suit opportunities on several developable parcels in the district
Sustainability features	All developers have experience with green building practices
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Varies by parcel - Selig, MetLife, Hines
Developer	Selig, MetLife, Hines
Zoning of Site	Current zoning allows for more than 8M sf of office. Increases in density on any individual parcel may require rezoning.
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## OLD FOURTH WARD DISTRICT

The Old Fourth Ward has evolved into one of Atlanta's hippest, trendiest neighborhoods in just a few short years due in large part to the Atlanta BeltLine and Ponce City Market. Here, Amazon can build on the recent economic success of this part of the city and further transform this hotbed of growth.

#### SITE DETAILS

- Located just east of Atlanta's core, this area sits in between Georgia Tech, Georgia State University, and Emory University.
- Ponce City Market is one of the hottest spots in Atlanta today since this historic two million square foot building was renovated into office, retail and apartments.
- Located on Atlanta's BeltLine, the area offers walking, running, and biking amenities with direct access to the development.
- Adjacent to Ponce City Market is 725 Ponce, a 360,000-square foot office building currently under construction. The developer of 725 Ponce has also acquired a nearby land site that could accommodate three million square feet of office density and has identified additional nearby land sites that can accommodate the phase two requirement.

#### THE SETTING

- Old Fourth Ward is steeped in history the birthplace of Dr. Martin Luther King Jr. and the home of the historic Ebenezer Baptist Church. It is also the center of the Sweet Auburn Historic District, the heart of a bustling African-American residential and business district in the 1940s and 1950s.
- After an economic decline that spanned much of the period between the 1970s and early 2000s, Old Fourth Ward has experienced a resurgence. Ponce City Market (PCM) has been an integral part of this recent boom. PCM is a mixed-use development that has breathed new life into a once abandoned Sears distribution center. The building now houses retail, office, and residential spaces.
- The area's main corridor, Boulevard, runs through the heart of Atlanta and connects a variety of neighborhoods as it runs parallel to the Downtown Connector (where I-75 and I-85 come together through downtown Atlanta).
- Old Fourth Ward is diverse roughly 35 percent of the population here is white while 56 percent is African-American.

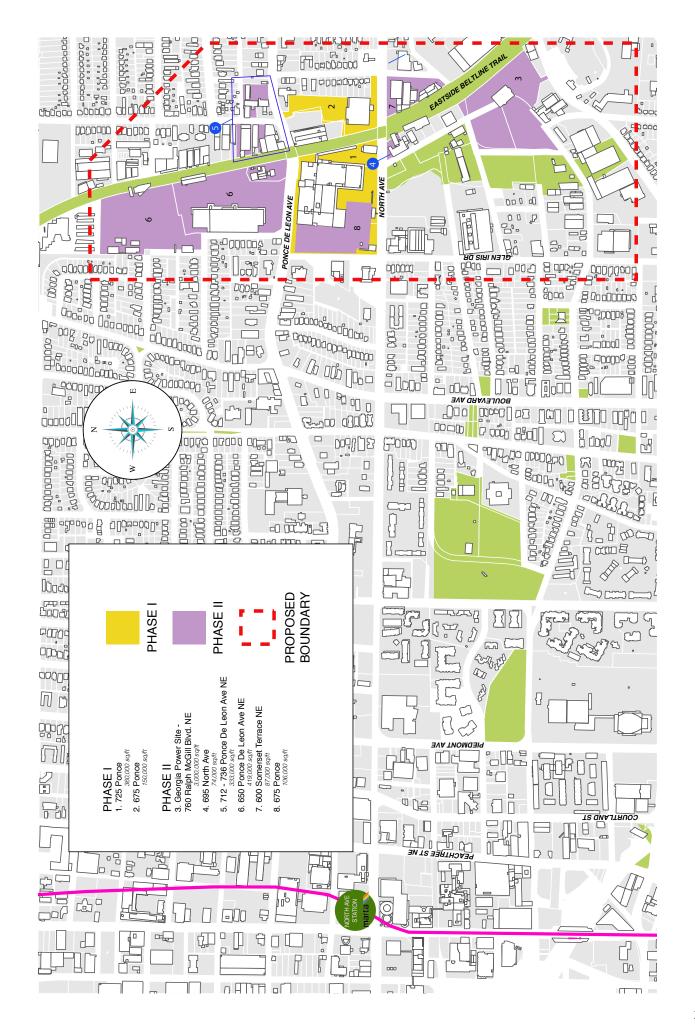
#### **LIVABILITY**

- Old Fourth Ward offers convenient access to one of the city's most notable development projects, the Atlanta BeltLine, which will ultimately connect 45 intown neighborhoods via multi-use trails, modern streetcar, and parks.
- The Historic Old Fourth Ward Park includes 17 acres of greenspace featuring a two-acre lake, playgrounds, splashpad, and multi-use athletic field.
- Atlanta's first public skate park with world-class amenities is also located here. The legendary Tony Hawk, whose foundation contributed to the construction of the facility, attended the grand opening and raved about the amenities.
- Freedom Park is another beautiful greenspace in Old Fourth Ward. Atlanta's largest linear park is also known as the "Art Park" because of the numerous permanent art installations located throughout the 200-acre space.
- A variety of housing options have developed over the last several years. From charming single-family homes to a wide selection of apartments and condominiums, there's an affordable way to be close to the lifestyle amenities in Old Fourth Ward.
- The nearby town of Decatur offers additional housing options along with a vibrant downtown district featuring shops, restaurants, and other attractions.
- In addition to the Martin Luther King Jr. National Historic Site, cultural attractions include the Carter Center and Jimmy Carter Presidential Library. And nearby Edgewood Avenue is a hot spot for local bars and restaurants.
- MARTA bus service is available in the area along with a dedicated shuttle for travel to and from the North Avenue MARTA rail station. MARTA has plans for a streetcar that will run along North Avenue connecting to the MARTA station and the Georgia Tech campus.
- Bike lanes and trail layouts have been very consciously planned in this part of the city, increasing its bikefriendliness and walkability.

#### **INNOVATION OPPORTUNITIES**

- Tech companies like MailChimp, athenahealth, Cardlytics, Twitter, General Assembly, HowStuffWorks, and more call Ponce City Market home.
- North Avenue, a major east-west arterial street running through this district has been designated a "smart corridor" by the City of Atlanta where the latest transportation technology will be tested and implemented.
- Proximity to Georgia Tech and Emory University offers opportunities to build strong ties with their respective student bodies through corporate-academic partnerships to generate a talent pipeline for Amazon.

District name	Old Fourth Ward
One million population in MSA	Yes
Environment	Urban
Miles to population center (City Center)	1
Miles to International Airport	13
Miles to major highways or arterial roads	1 mile from I-75/I-85 Downtown Connector
Direct access to Subway/Metro	1 mile from North Ave MARTA Station
Direct access to Bus Routes	Multiple bus stops throughout district
Direct access to Rail/Train	Planned MARTA street car
500,000 sq. ft. initial site requirement by 2019	360k sf delivered Q1 2019, balance of 500k sf available as build to suit by Q4 2019
Total solution for 8 million square feet by 2027	Build to suit opportunities on several developable parcels in the district
Sustainability features	360k sf development under construction will be LEED Silver, with green roof and many other sustainability features
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	New City and Jamestown
Developer	New City and Jamestown
Zoning of Site	Zoning in place for phase 1; potential parcel rezoning required for future phases
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## QUARRY YARDS DISTRICT

The Quarry Yards District is a greenfield campus opportunity that marries the convenient proximity of urban life to a remarkable nature setting that is on the cusp of becoming one of Atlanta's largest outdoor recreation destinations.

#### SITE DETAILS

- The Quarry Yards District is located on Atlanta's Westside, adjacent to the Bellwood Quarry along Proctor Creek and at the Bankhead MARTA Station.
- Amazon can build to suit here, leaving its mark on the area and defining how the next generation will live, work, and play in this part of the city.
- The nearby community is one of the more underserved areas of the city. Amazon can step on the scene and drive impact in education, workforce training, affordable housing, and other matters around inclusive economic development and social issues that will transform the lives of the current and future generations.

#### THE SETTING

- Located on a hill, the Quarry Yards site offers spectacular views across Atlanta, providing a respite from the urban hustle while also benefiting from the proximity.
- The area features the Bellwood Quarry, which is currently under development to create a reservoir as an additional water supply for the city. Once that project is completed, the surrounding 300 acres have been tapped for development as a recreational site known as the Westside Reservoir Park.
- Atlanta's Westside includes the abundant educational resources at the Atlanta University Center, home of Clark Atlanta University, Morehouse College, Morehouse School of Medicine, and Spelman College. It also has great access to the Georgia Tech campus.

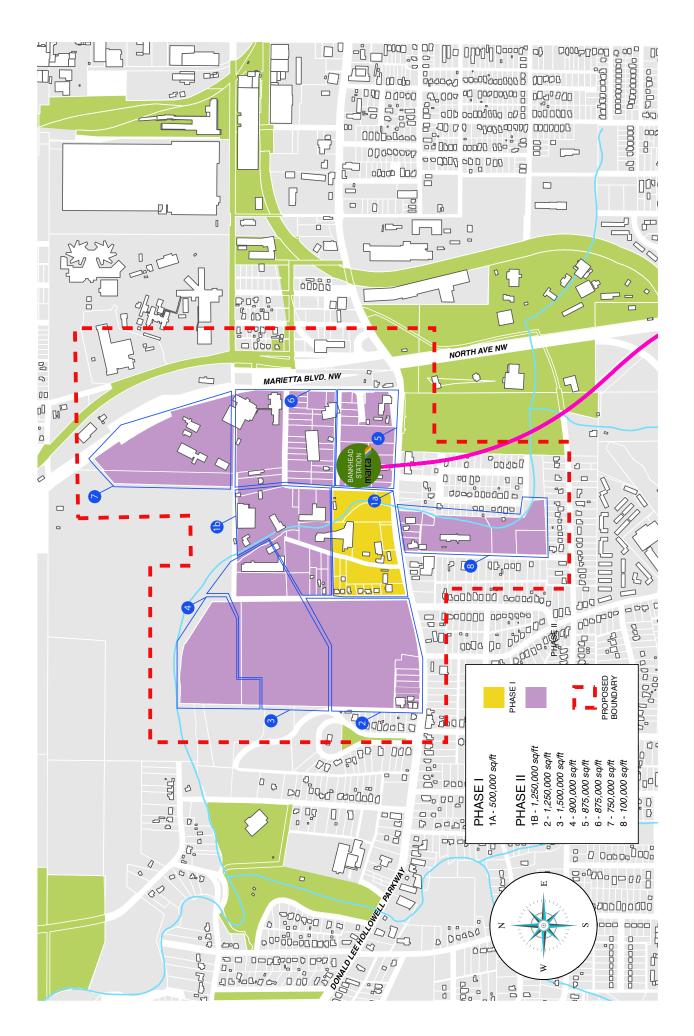
#### **LIVABILITY**

- A variety of housing options are available as this area is seeing significant redevelopment. However, it also offers a prime opportunity to drive housing development to suit the needs of Amazon employees.
- It offers direct access to the Bankhead MARTA rail station along with a direct tie-in to the Atlanta BeltLine.
- The communities of West Midtown, Vinings, Smyrna, and Mableton are nearby, offering additional housing options as well as myriad shopping and dining choices.

#### **INNOVATION AND SOCIAL IMPACT**

The Quarry Yards District is in the heart of one of the city's most transformative new greenspace projects at Bellwood Quarry. Amazon can lead the planning process to positively influence the scope of the project and how it will impact both the environment and the people in Atlanta.

District name	Quarry Yards
One million population in MSA	Yes
Environment	Urban
Miles to population center (City Center)	2
Miles to International Airport	15
Miles to major highways or arterial roads	2 miles from I-75/I-85 Downtown Connector and 2 miles to I-20
Direct access to Subway/Metro	Adjacent to Bankhead MARTA station for rail service
Direct access to Bus Routes	Adjacent to Bankhead MARTA station for bus service
Direct access to Rail/Train	N/A
500,000 sq. ft. initial site requirement by 2019	500k sf build to suit available by Q4 2019
Total solution for 8 million square feet by 2027	Additional square footage achieved through build to suit opportunities at site
Sustainability features	Ability for company to plan desired features with developer
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Urban Creek Partners
Developer	Development partnership includes Urban Creek Partners, Brassfield & Gorrie, Populous, and HKS
Zoning of Site	Multiple zoning designations by parcel; company would need to work with developer on possible rezoning
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## **ASSEMBLY**

Assembly is a distinctly suburban site that offers a one-of-a-kind redevelopment opportunity to bring new life to a former automobile manufacturing plant. It would become the heart of Atlanta's newest tech cluster through Amazon.

#### SITE DETAILS

- Assembly is located in Doraville, Georgia, a community just outside of the city of Atlanta.
- The site is the location of a former General Motors assembly plant with roughly 125 acres of land.
- Assembly is adjacent to the major commuting corridor of I-285 and one mile from I-85. It is also three miles from Peachtree-DeKalb Airport.
- Assembly is adjacent to the Doraville MARTA rail station.

#### THE SETTING

- The General Motors assembly plant opened here in 1947 and closed in 2008. The facility has been demolished and is being redeveloped into a mixed-use, transit-oriented development featuring retail, office, and residential space.
- The Assembly site is home to Third Rail Studios, Georgia's newest purpose-built film and television production studio, and Serta Simmons recently selected the site for its new headquarters.
- The area's railyard is still served by Norfolk Southern, and there is a MARTA station adjacent to the property.

#### **LIVABILITY**

- Diverse neighborhoods and an abundance of housing options are available in every direction from the Assembly site. Doraville claims the area's largest concentration of mid-century modern homes in the region.
- The community around Assembly offers significant retail and restaurant options, including the Buford Highway corridor, which is one of the region's most internationally diverse areas.
- Assembly is adjacent to the Doraville MARTA rail station, which offers convenient travel into Atlanta, to Hartsfield-Jackson Atlanta International Airport, and to other key locations around the metro region.
- Top-ranked liberal arts school, Oglethorpe University, and the Atlanta campus of Georgia's oldest institution, Mercer University, are nearby.
- This area is served by DeKalb County Schools, Georgia's third largest school district.

The Doraville Parks and Recreation Department manages a variety of facilities, including Honeysuckle Park, Fleming Arena, the Paul Murphy Boxing Club, Autumn Park, Brook Park, Chicopee Park, English Oak Park, Flowers Park and Bernard Halpern Park.

#### **INNOVATION AND SOCIAL IMPACT**

- Doraville is Atlanta's northeast neighbor bordering some of the fastest redeveloping residential areas of the region.
   The neighboring cities of Brookhaven and Chamblee offer residents great commute options by MARTA train, bus, and car.
- Recent investments in the vicinity, such as a new billion dollar redevelopment of Children's Healthcare of Atlanta, and nearby Decatur, have made this a very appealing area. Amazon could be a major catalyst for continued redevelopment of underutilized land close to the city.
- One of Atlanta's largest immigrant neighborhoods is in the vicinity and could provide an opportunity for Amazon to be the catalyst for the continued resurgence of this community.

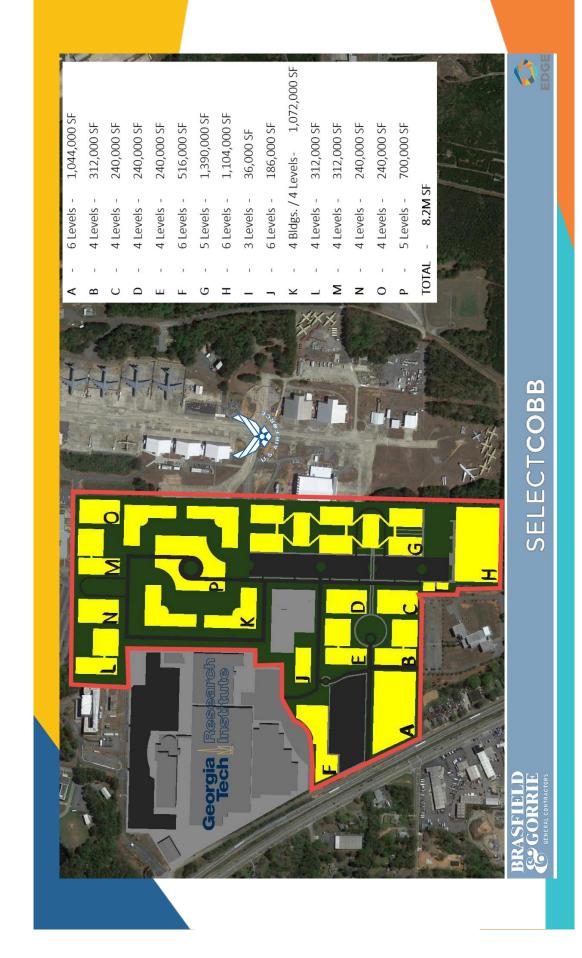
District name	Assembly
One million population in MSA	Yes
Environment	Suburban
Miles to population center (City Center)	14
Miles to International Airport	25
Miles to major highways or arterial roads	Adjacent to I-285, 1 mile from I-85
Direct access to Subway/Metro	Yes (MARTA rail service adjacent to site)
Direct access to Bus Routes	Yes (MARTA bus service adjacent to site)
Direct access to Rail/Train	N/A
500,000 sq. ft. initial site requirement by 2019	Yes, build to suit delivered by Q2 or Q3 2019
Total solution for 8 million square feet by 2027	Additional square footage achieved through build
Total Solution for 6 million square feet by 2027	to suit opportunities at site
Sustainability features	Ability for company to plan desired features with
Sustainability reactives	developer
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon,
Celiulai coverage	T-Mobile, Sprint)
Ownership of Property	Integral Group
Developer	Integral Group
Zoning of Site	Special Area Zoning (form-based, mixed use)
Utility infrastructure	All utility infrastructure is available in capacities
Utility infrastructure	to meet full project requirements.



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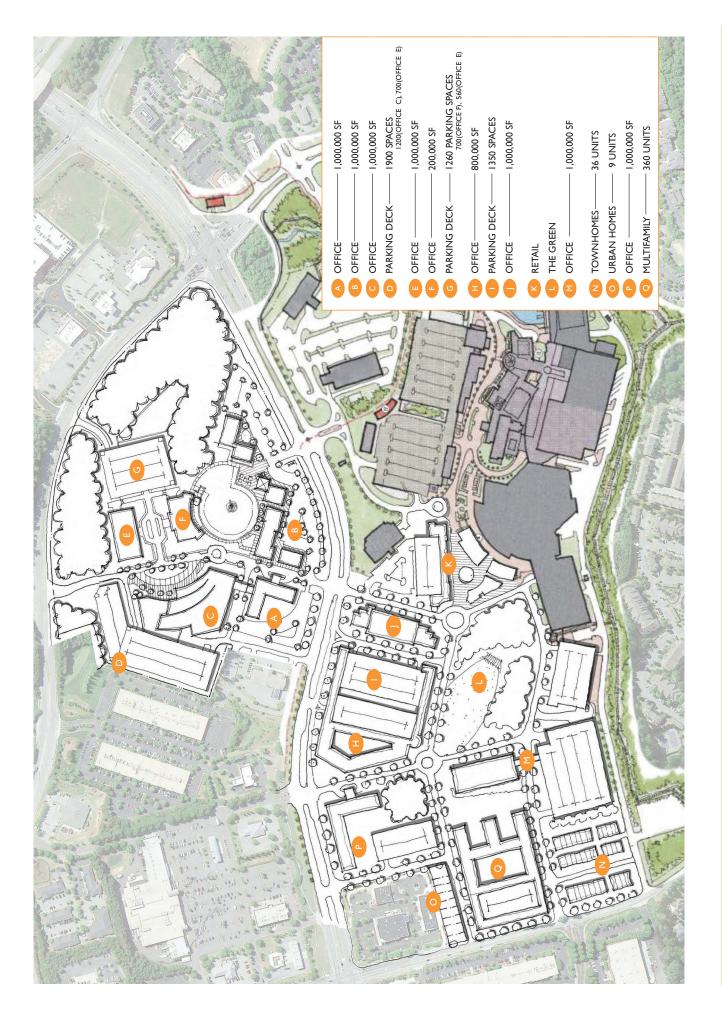
## LOCKHEED/DOBBINS

District name	Lockheed - Dobbins
One million population in MSA	Yes
Environment	Suburban
Miles to population center (City Center)	16
Miles to International Airport	28
Miles to major highways or arterial roads	1 mile from I-75
Direct access to Subway/Metro	N/A
Direct access to Bus Routes	Cobb County Transit bus service available, which connects with MARTA service at Arts Center Station
Direct access to Rail/Train	N/A
500,000 sq. ft. initial site requirement by 2019	Over 2.6M sf of existing buildings on site
Total solution for 8 million square feet by 2027	Additional square footage achieved through build to suit opportunities at site
Sustainability features	Ability for company to plan desired features with developer
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Lockheed Martin owns majority of land for sale.  Lockheed has long-term lease with Air Force that may be sublet or sold.
Developer	No developer at this time
Zoning of Site	Current zoning is heavy industrial. Land will require rezoning.
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## **INFINITE ENERGY CENTER**

District name	Infinite Energy Center
One million population in MSA	Yes
Environment	Suburban
Miles to population center (City Center)	25
Miles to International Airport	37
Miles to major highways or arterial roads	Less than 1 mile from I-85
Direct access to Subway/Metro	N/A
Direct access to Bus Routes	Gwinnett County Transit service available from site back to Doraville MARTA Station and Civic Center Station
Direct access to Rail/Train	N/A
500,000 sq. ft. initial site requirement by 2019	Existing 178k sf building would be given to company for immediate occupancy. County will work to identify other properties to meet phase one needs.
Total solution for 8 million square feet by 2027	Additional square footage achieved through build to suit opportunities at site
Sustainability features	Ability for company to plan desired features with developer
Fiber connectivity at site	Yes
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Gwinnett County
Developer	North American Properties
Zoning of Site	Zoned for office
Utility infrastructure	All utility infrastructure is available in capacities to meet full project requirements.



## **GEORGIA AEROTROPOLIS CORRIDOR**

District name	Georgia Aerotropolis Corridor
One million population in MSA	Yes
Environment	Rural
Miles to population center (City Center)	30
Miles to International Airport	21
Miles to major highways or arterial roads	Adjacent to South Fulton Parkway, a four-lane divided highway that connects back to I-285 16 miles from site
Direct access to Subway/Metro	No current transit options. MARTA has looked at the feasibility of bus and light rail service out South Fulton Parkway.
Direct access to Bus Routes	
Direct access to Rail/Train	
500,000 sq. ft. initial site requirement by 2019	Build to suit opportunities. Timeline to be determined with developer.
Total solution for 8 million square feet by 2027	Additional square footage achieved through build to suit opportunities at site
Sustainability features	Ability for company to plan desired features with developer
Fiber connectivity at site	Unknown, fiber exists in general vicinity
Cellular coverage	Covered by all four major carriers (AT&T, Verizon, T-Mobile, Sprint)
Ownership of Property	Single private owner
Developer	TPA
Zoning of Site	Requires rezoning
Utility infrastructure	Utility capacity upgrades will be required to serve full development.



## **INCENTIVES**

# PLEASE SEE PASSWORD-PROTECTED WEBSITE FOR THE RESPONSE TO QUESTIONS RELATED TO INCENTIVES.

PLEASE PROVIDE A SUMMARY OF TOTAL INCENTIVES OFFERED FOR THE PROJECT BY THE STATE/PROVINCE AND LOCAL COMMUNITY. IN THIS SUMMARY, PLEASE PROVIDE A BRIEF DESCRIPTION OF THE INCENTIVE ITEM, THE TIMING OF INCENTIVE PAYMENT/REALIZATION, AND A CALCULATION OF THE INCENTIVE AMOUNT. PLEASE DESCRIBE ANY SPECIFIC OR UNIQUE ELIGIBILITY REQUIREMENTS MANDATED BY EACH INCENTIVE ITEM. WITH RESPECT TO TAX CREDITS, PLEASE INDICATE WHETHER CREDITS ARE REFUNDABLE, TRANSFERABLE, OR MAY BE CARRIED FORWARD FOR A SPECIFIC PERIOD OF TIME. IF THE INCENTIVE INCLUDES FREE OR REDUCED LAND COSTS, INCLUDE THE MECHANISM AND APPROVALS THAT WILL BE REQUIRED. PLEASE ALSO INCLUDE ALL TIMELINES ASSOCIATED WITH THE APPROVALS OF EACH INCENTIVE. WE ACKNOWLEDGE A PROJECT OF THIS MAGNITUDE MAY REQUIRE SPECIAL INCENTIVE LEGISLATION IN ORDER FOR THE STATE/PROVINCE TO ACHIEVE A COMPETITIVE INCENTIVE PROPOSAL. AS SUCH, PLEASE INDICATE IF ANY INCENTIVES OR PROGRAMS WILL REQUIRE LEGISLATION OR OTHER APPROVAL METHODS. IDEALLY, YOUR SUBMITTAL INCLUDES A TOTAL VALUE OF INCENTIVES, INCLUDING THE SPECIFIED BENEFIT TIME PERIOD.

IF ANY OF THE PROGRAMS OR INCENTIVES DESCRIBED IN THE SUMMARY OF TOTAL INCENTIVES ARE UNCERTAIN OR NOT GUARANTEED, PLEASE EXPLAIN THE FACTORS THAT CONTRIBUTE TO SUCH UNCERTAINTY AND ESTIMATE THE APPROXIMATE LEVEL OF CERTAINTY. PLEASE ALSO DESCRIBE ANY APPLICABLE CLAW BACKS OR RECAPTURE PROVISIONS REQUIRED FOR EACH INCENTIVE ITEM.

PLEASE PROVIDE A TIMETABLE FOR INCENTIVE APPROVALS AT THE STATE/PROVINCE AND LOCAL LEVELS, INCLUDING ANY LEGISLATIVE APPROVALS THAT MAY BE REQUIRED.

## WE SUPPORT.

## **LABOR & TALENT**

PLEASE PROVIDE LABOR AND WAGE RATE INFORMATION IN THE GENERAL JOB CATEGORIES DESCRIBED. PLEASE PROVIDE RELEVANT LABOR POOL INFORMATION AND YOUR ABILITY TO ATTRACT TALENT REGIONALLY. ALSO, INCLUDE SPECIFIC OPPORTUNITIES TO HIRE SOFTWARE DEVELOPMENT ENGINEERS AND RECURRING SOURCING OPPORTUNITIES FOR THIS TYPE OF EMPLOYMENT. PLEASE INCLUDE ALL LEVELS OF TALENT AVAILABLE IN THE MSA, INCLUDING EXECUTIVE TALENT AND THE ABILITY TO RECRUIT TALENT TO THE AREA.

## WE INVENT.

## **AT A GLANCE**

- Atlanta has a diverse population as the 9th largest metro area of six million residents and three million workers. One-third of that population is next gen.
- Atlanta is home to more than 75,000 software professionals.
- Wage levels and low cost of living in the region allow for very competitive recruitment.
- Universities and colleges within 300 miles produced 89,700 new graduates (during the most recent year) who studied business and technology fields.
- ChooseATL is a leading-edge and award-winning movement designed to attract and retain talent.
- **#1** Metro area for rate of job growth (up 3.2 percent overthe-year August), among the 12 largest metro areas in the nation U.S. Department of Labor, August 2017
- **#3** Metro area for number of jobs added (up 86,400 over-the-year August), among the 12 largest metro areas in the nation U.S. Department of Labor, August 2017
- **#3** Market for growth of tech talent (47.6 percent change in tech occupations from 2011-2016) CBRE, 2017
- #5 Tech talent market (overall) CBRE, 2017

Atlanta views talent as Amazon views customers – the region is obsessed with attracting and retaining the best and brightest across industries. Amazon would find an unmatched talent pool in metro Atlanta, fueled by the region's large population and workforce, job growth, and pipeline of talented young professionals.

Atlanta's growing, young, and diverse workforce enables businesses of every description to thrive. Atlanta's leap to top five headquarters dominance was catapulted in the 1990s and was recognized by a Chicago Federal Reserve study as one of the fastest growing headquarters cities from 1990-2000. In the 2000s, the second wave of growth in technology and innovation center bases followed the headquarters boom in Atlanta.

Today, the professional and business services industry segment is the largest contributor to the region's job growth. Atlanta is the nation's 6th largest center for "office-using industries," which speaks to the strength of the city's headquarters and business services talent. The strength of this industry segment is demonstrated year after year as new companies choose Atlanta for headquarters and office operations. A

wave of international companies continues to select metro Atlanta for their American base. Metro Atlanta is home to more than 1,100 regional and global headquarters locations (locations with 50 employees or more). Recent foreign-owned headquarters projects include Mercedes-Benz USA, Porsche North America, and many more. In addition, Atlanta's 15 Fortune 500 headquarters attract top executive talent across sectors and specialties. Globally-recognized and respected companies that call Atlanta home hire locally and draw talent from around the world, creating a diverse, highly-skilled and innovative workforce.

Technology companies thrive in Atlanta. Locally-grown talent, students, and industry experts from around the world come to Atlanta to be part of the city's creative technology environment. From FinTech to Cybersecurity to Digital Media & Entertainment to Communication Technologies and Supply Chain Management, Atlanta's companies develop talent that could be transferable to Amazon. Simply put, Atlanta's unique mix of tech talent, creative talent, and executive talent is driving growth.

## **POPULATION AND WORKFORCE**

As the 9th largest metro area with nearly six million residents and three million in the workforce, Atlanta is at the heart of one of the fastest-growing regions and one of the country's top job markets. The U.S. Conference of Mayors projects that metro Atlanta will grow to 8 million people by 2046, becoming the sixth largest MSA in the country. Continued population growth and favorable net migration enable metro Atlanta to support business demands for talent. In 2016, metro Atlanta businesses created 87,000 net new jobs, the fourth strongest performance nationwide as tracked by Moody's Economy.com. Over the next 10 years, the Atlanta job market is expected to grow by 11 percent, according to ESRI.

Additionally, Atlanta is a young city with a median age below

that of the U.S. overall and one-third of the population are millennials. This youthful population provides Atlanta businesses with an abundant talent base for the future.

### **IMPORTANT FACTS:**

- Atlanta's projected annual population growth rate through 2022 (1.41 percent) is nearly double the national rate (0.83 percent). (ESRI, 2017-2022) Since 2010, Atlanta's population growth rate (11.1 percent) has been nearly double the national rate (5.2 percent). (Moody's Economy. com, 2010-2017)
- Over the next 10 years, Atlanta will attract more than 975,000 new residents, adding roughly 100,000 per year. (Moody's Data Buffet, 2017)
- From 2015 to 2016, metro Atlanta's net migration was 54,441, ranking it the 5th metro area in the nation. 67 percent of net migration in metro Atlanta was domestic; 33 percent was international (U.S. Census Bureau, 2017)
- Atlanta is a leader in population diversity, making it an attractive home for talent from all around the world.
   Atlanta's Diversity Index of 68.4 is higher than the national average (64.0). (ESRI, 2017)
- More than 790,000 residents are foreign-born. (American Community Survey, 2016)
- Atlanta's workforce is highly educated with 37.5 percent holding at least a bachelor's degree, compared to the 31.0 percent national average. (ESRI, 2017)
- Atlanta is home to 275,000 college students and 1.5 million
   K-12 students that feed into Atlanta's talent pipeline.

## **LABOR AND WAGES**

Atlanta businesses employ 1.2 million workers in occupations that could be a relevant talent pool for Amazon. These occupation categories range from management to administrative support. Projections indicate continued demand for these occupations over the next 10 years with the number of workers reaching nearly 1.3 million by 2027.

Number of Workers and Average Hourly Wages for Relevant Occupational Categories, Atlanta MSA

			Avg. Hourly
Occupations (2-digit SOC codes)	2017 Jobs	2027 Jobs	Earnings
Management Occupations	166,136	178,656	\$59.13
Business and Financial Operations Occupations	167,290	181,446	\$35.71
Computer and Mathematical Occupations	111,939	122,424	\$42.97
Architecture and Engineering Occupations	40,737	43,439	\$38.96
Legal Occupations	22,657	24,285	\$53.62
Arts, Design, Entertainment, Sports, and Media Occupations	39,381	45,118	\$25.91
Office and Administrative Support Occupations	417,707	441,453	\$17.97
Transportation and Material Moving Occupations	219,175	236,216	\$17.03
	1,185,022	1,273,036	\$30.10

Source: EMSI, Q3 2017

At a more specific occupation level grouping customized for Amazon's needs, metro Atlanta businesses employ 400,850 workers in 56 different occupations that are important to headquarters, business services and technology type operations. By 2027, businesses in Atlanta will employ more than 433,000 workers in these critical fields. Some of the top occupational categories within the 56 occupations include:

- | 5,000 CEOs
- 10,000 Computer and Information Systems Managers
- 28,000 Accountants and Auditors
- 18,000 Management Analysts
- 21,000 Software Developers, Applications
- 13,000 Computer Systems Analysts
- 11,000 Software Developers, Systems

For details about additional specific occupations see Occupations document in Appendix A.

Relative to several major markets, Atlanta stands out when considering the affordability of talent in the region.

Comparison of Mean Hourly Wages for Relevant Occupational Categories

companion of mount floury trages for floretant occupational categories					
Occupational Category	Atlanta, GA	New York, NY	Washington, DC	Boston, MA	San Francisco, CA
Management	\$51.28	\$66.63	\$62.90	\$54.68	\$63.99
Business	\$31.51	\$39.36	\$41.91	\$36.60	\$40.59
Computer/Mathematical	\$46.06	\$57.21	\$56.43	\$50.77	\$57.76
Engineering	\$35.79	\$39.75	\$46.82	\$41.71	\$46.05
Legal	\$38.23	\$53.94	\$65.00	\$44.00	\$58.77
Arts/Entertainment	\$22.65	\$30.27	\$33.74	\$27.77	\$29.01
Office/Administrative	\$16.36	\$18.88	\$20.56	\$19.64	\$21.33
Transportation	\$14.37	\$16.05	\$17.02	\$16.23	\$17.57

Source: EMSI, Q3 2017

When looking at workers with very specific IT-related skill sets, Atlanta wage rates are highly competitive among major U.S. talent markets. Atlanta compensation rates are roughly 80 percent to 90 percent of those in Seattle, according to national IT staffing firm MATRIX. A sampling of wages for IT occupations in Atlanta compare favorably against rates in Seattle, as an example.

Salary Data	for Detailed IT	Occupations	(by Percentile)
Jaiai v Data	IOI Detalled II	Occupations	IDV FEICEILLIE

Position Title	Atlanta 50th	Seattle 50th
Director of IT	\$131,717	\$153,333
Applications Development Manager	\$128,134	\$140,910
Project Manager	\$114,676	\$112,688
Scrum Master	\$107,177	\$113,092
Enterprise Software Architect	\$136,502	\$132,587
Quality Assurance / Tester	\$89,632	\$107,842
Oracle Database Administrator	\$106,203	\$115,231
SQL Server Database Administrator	\$109,186	\$115,466
BI/Data Warehouse Developer	\$93,566	\$100,942
C# / .NET Developer	\$110,126	\$129,761
Java / J2EE Developer	\$106,397	\$137,388
Mobile Applications Developer	\$98,127	\$106,033
UI Developer	\$108,090	\$124,676
Web Developer	\$101,725	\$136,311
Network Administrator (LAN/WAN)	\$95,186	\$97,609
Information Systems Security Engineer	\$96,863	\$113,663
Help Desk Analyst	\$42,081	\$50,004
Business Analyst (Technical)	\$80,974	\$96,969
Technical Support Analyst	\$64,477	\$70,565
UNIX Systems Administrator	\$95,214	\$97,048

Source: MATRIX, IT Salary Surveys, 2017

### SOFTWARE DEVELOPMENT TALENT

Metro Atlanta has software development talent both in the field based on current occupational data as well as in related technical positions with potentially transferable skill sets. Today, the metro area is home to 75,368 software professionals using Standard Occupational Classification (SOC) data. Over the next five years, the number of workers in this field will increase by 10 percent.

### **75,000 SOFTWARE PROFESSIONALS:**

- 22,000 Software Developers, Applications
- 14,000 Computer Systems Analysts
- 11,000 Software Developers, Systems
- 10,000 Computer and Information Systems Managers
- 7,000 Computer Programmers
- 5,000 Computer Network Architects
- 4,000 Database Administrators
- 2,000 Web Developers

Source: EMSI, Q3 2017

Atlanta's universities and colleges are providing a continuous pipeline of software talent. Over the last five years, local institutions have supplied nearly 17,000 graduates in programs related to software development. From 2012 to 2016, this pipeline has increased 44 percent.

Pipeline of New Graduates<sup>1</sup> Specific to Software Development from Institutions in Atlanta/Athens Area

Field of Study	2016
Computer and Information Sciences, General	1,095
Computer Science	637
Network and System Administration/Administrator	692
Information Technology	297
Computer and Information Systems Security/Information Assurance	268
Computer Systems Networking and Telecommunications	156
Web Page, Digital/Multimedia and Information Resources Design	119
Information Science/Studies	156
Computer Programming/Programmer, General	115
Computer Engineering, General	142
Computer Programming, Specific Applications	149
Computer Systems Analysis/Analyst	33
Computer Software Engineering	37
Bioinformatics	31
Artificial Intelligence	11
Informatics	1
Web/Multimedia Management and Webmaster	2
	3,941

Source: EMSI, IPEDS, 2016 Bachelor's or higher degrees

Software development talent in Atlanta gathers at more than 65 monthly meet-ups with 1,000 or more members. Examples include:

- Atlanta Tech Village: largest monthly gathering of entrepreneurs in the Southeast
- Technology Association of Georgia: over 35,000 members representing over 2,000 tech and tech-enabled companies
- Atlanta JavaScript Meetup Group: monthly meet-up of more than 4,500 JavaScripters
- PyAtl: monthly meet-up of nearly 4,000 Python programmers
- Women Who Code, Atlanta: professional community of nearly 2,500 women in tech jobs throughout the Atlanta region

## **HIGHER EDUCATION PIPELINE**

Graduates from Atlanta's world-class colleges and universities supply employers with skilled talent annually. The region ranks as the #5 metro area for retaining college grads from two-and four-year institutions with a 73.2 percent retention rate, according to CityLab and Brookings. Additionally, the region attracts graduates from around the country and around the world, further contributing to the city's diverse talent base.

Within 100 miles of Atlanta, more than 22,000 graduates completed degrees in business and relevant technology fields in 2016. Given Atlanta is a draw for regional talent, by expanding the radius to 300 miles, IPEDS data indicates nearly 90,000 graduates completed degrees in such fields.

This regional pipeline provides the opportunity for Amazon to attract aspiring minds.

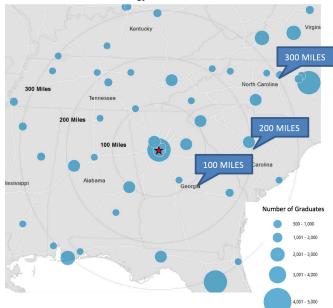
Within 300 miles:

## 89,700 GRADS IN BUSINESS AND RELEVANT TECHNOLOGY FIELDS

- 58,000 grads in business and management
- 20,000 grads in engineering and engineering technology
- 11,700 grads in computer and information sciences, math and science

Forty-three schools graduating 500 or more students with degrees in specified fields are within 300 miles of Atlanta. These schools are prime suppliers of talent to the Atlanta metro area and include some of the country's leading educational institutions.

Business and Relevant Technology Graduates at Institutions within 300 miles



## Schools with 500 or More Graduates in Selected Programs\* Within 100 Miles of Atlanta

School	Grads	City	State
Georgia Institute of Technology	5,341	Atlanta	Georgia
University of Georgia	2,747	Athens	Georgia
Georgia State University	2,449	Atlanta	Georgia
Kennesaw State University	2,421	Kennesaw	Georgia
Emory University	1,036	Atlanta	Georgia
University of Tennessee-Chattanooga	825	Chattanooga	Tennessee
University of West Georgia	645	Carrollton	Georgia
Mercer University	603	Macon	Georgia
University of North Georgia	503	Dahlonega	Georgia

#### Between 100 and 200 Miles of Atlanta

Detween 100 and 200 miles of Atlanta			
School	Grads	City	State
University of Alabama	3,459	Tuscaloosa	Alabama
University of South Carolina-Columbia	3,378	Columbia	South Carolina
Auburn University	2,641	Auburn	Alabama
Clemson University	2,632	Clemson	South Carolina
University of Tennessee-Knoxville	2,289	Knoxville	Tennessee
Georgia Southern University	1,291	Statesboro	Georgia
Troy University	1,247	Troy	Alabama
University of Alabama at Birmingham	1,117	Birmingham	Alabama
Middle Tennessee State University	1,013	Murfreesboro	Tennessee
University of Alabama at Huntsville	947	Huntsville	Alabama
Tennessee Technological University	859	Cookeville	Tennessee
Western Carolina University	692	Cullowhee	North Carolina

#### Between 200 and 300 Miles of Atlanta

School	Grads	City	State
University of Florida	4,573	Gainesville	Florida
Columbia Southern University	3,785	Orange Beach	Alabama
Florida State University	3,364	Tallahassee	Florida
University of North Carolina at Charlotte	2,909	Charlotte	North Carolina
University of Kentucky	1,959	Lexington	Kentucky
Mississippi State University	1,460	Mississippi	Mississippi
University of Mississippi	1,441	University	Mississippi
University of North Florida	1,115	Jacksonville	Florida
Vanderbilt University	1,030	Nashville	Tennessee
Appalachian State University	1,017	Boone	North Carolina
Wake Forest University	874	Winston-Salem	North Carolina
Western Kentucky University	861	<b>Bowling Green</b>	Kentucky
University of North Carolina	838	Greensboro	North Carolina
College of Charleston	836	Charleston	South Carolina
Murray State University	754	Murray	Kentucky
North Carolina A & T State University	702	Greensboro	North Carolina
University of South Alabama	697	Mobile	Alabama
The University of West Florida	690	Pensacola	Florida

\*Programs: Bachelor's or Higher in Computer and Information Sciences and Support Services, Engineering, Engineering Technologies and Engineering-Related Fields, Mathematics and Statistics, Business, Management, Marketing and Related Services.

Source: IPEDS, 2016

For additional information on Atlanta's universities and colleges, please see Education section and Appendix B and C.

### **ABILITY TO ATTRACT TALENT**

Metro Atlanta understands and embraces the paradigm shift occurring with the largest generation, millennials, now dominating the workforce. By thoughtfully building a community that meets the cultural, career and social needs of a young and energetic workforce, Atlanta has created an awesome home for the next generation of talent.

### **CHOOSEATL**

In 2015, metro Atlanta invented ChooseATL, an initiative that mixes digital engagement with high-touch live events and experiences. Through this effort, metro Atlanta has galvanized young people and drawn them to the region while creating a movement among local leaders – from City Hall and the state Capitol to corporate headquarters – who are more focused than ever on this important demographic of rising leaders.

ChooseATL has engaged more than one million millennials across the U.S., generated more than one billion paid and earned media impressions, and propelled the region to rank among top moving destinations for millennials. The effort has also been praised by national media, including Bloomberg, Forbes, and CNBC, and markets across the U.S. have begun to stand up copy-cat initiatives. In 2016, ChooseATL was awarded a Gold Award by the International Economic Development Council for its innovative approach to talent attraction.

More importantly, metro Atlanta has tracked impact and can draw correlations between this initiative and a gravitational pull that is drawing talent to the region. Today, while the U.S. labor force is growing at just under 1 percent, metro Atlanta has grown to hover just over 4 percent growth – a significant improvement over recent years.

While many cities have launched marketing campaigns, Atlanta has launched an entire brand platform for the metro area. This movement includes social campaigns such as the Graduation Takeover, which delivers Atlanta-branded content to students graduating from universities outside of the region (and their parents), digital assets such as ChooseATL.com, and a BuzzFeed-like neighborhood tool. The metro region has also held headline-making live experiences around the world, such as the ChooseATL House at SXSW that trended in the top five in the U.S. on Twitter during the conference. With momentum on its side, ChooseATL now enters into its next phase as a critical strategy to sustain the growing demand for top talent.

In 2018, ChooseATL will make Atlanta the first region to launch a video platform that showcases the region's talent and reaches the next generation around the world. Known as THEA, pronounced "Thee-uh," the video platform will be known to insiders to represent "the A" (as Atlanta is affectionately known). The platform will highlight Atlanta's innovation in tech, colliding with the emerging film and digital media talent. THEA will also mix in the Atlanta-born music and culture that is shaping the world and ensuring Atlanta's rise into the future. The platform will also be a prominent asset for Atlanta-based companies in their efforts to directly attract talent across various industries.

Much like the way Amazon has built a brand around the values of the next generation workforce, flexibility, hustle, and innovation, ChooseATL is doing the same. Together, Atlanta and Amazon will reinvigorate these efforts with an increased focus on attracting and retaining more tech talent into the future.

## **JOB POSTING AND HIRING RATIOS**

Based on CareerBuilder data, Atlanta businesses have a relatively easy time recruiting talent. Job posting intensity, a ratio of total job postings to unique or de-duplicated job postings, helps gauge the difficulty of hiring for specific jobs in a given market. In metro Atlanta, for headquarters and technology occupations as a group, the job posting intensity is 5:1. This means that for every unique (de-duplicated) headquarters or technology position, the employer posts the position a total of five times. A second measure is the posting-to-hire ratio, defined as number of hires for each unique job posting. In metro Atlanta, for every one hired in headquarters and technology occupations, there are typically six job postings. Some jobs are easier to fill than others. For example, computer network support specialists in metro Atlanta have a posting-to-hire ratio 1:11 (11 hires for each posting), which means that hiring far outpaces the employer's need to post for every position. Other examples of relevant positions that are relatively easy to fill in Atlanta, as measured by postingto-hire ratios, include: software developers, systems software 1:2 (two hires for each posting); computer programmers 1:1.5 (1.5 hires for each posting); administrative services managers

1:4 (4 hires for each posting).

### **ALUMNI ATTRACTION**

In addition to world-class local talent from Georgia Tech, Emory, and other local institutions, Atlanta's business community attracts alumni from critically acclaimed and globally respected universities from across the nation. Atlanta ranks in the top 10 for cities that attract graduates from top-tier business and engineering schools.

Atlanta Talent – University Affiliation

Institution	Number of Affiliated -
moditation	Professionals in Atlanta*
Georgia Institute of Technology	46,267
Emory University	23,743
Vanderbilt University	3,401
University of Maryland, College Park	3,066
University of Michigan	3,030
Purdue University	3,022
Duke University	2,972
University of Virginia	2,938
University of Texas at Austin	2,505
Harvard University	2,297
University of Illinois at Urbana-	2,370
Champaign	2,370
Northwestern University	1,917
University of Pennsylvania	1,829
Columbia University	1,233
Johns Hopkins University	1,080
University of California, Berkeley	1,063
Stanford University	1,018
Yale University	791
Massachusetts Institute of Technology	789
Carnegie Mellon University	694
University of Chicago	673
Princeton University	534

Source: EMSI, 2017.Q3

\*Analysis based on number of profiles on major professional networking sites such as LinkedIn that list one of the top 25 business or engineering schools (as ranked by U.S. News & World Report) for education and have had activity since 2015.

### **STAFFING SUPPORT**

Atlanta is rich with staffing companies ready and able to assist Amazon with staffing needs. Highly-regarded executive search firms and staffing agencies, including MATRIX, Heidrick & Struggles, Korn/Ferry International, Spencer Stuart, Randstad, Robert Half, TRC Staffing, KForce, and Russell Reynolds have a presence in metro Atlanta. There are approximately 400 employment services firms in the region, several of which have multiple offices.

## **EDUCATION**

PLEASE INCLUDE PROGRAMS/PARTNERSHIPS CURRENTLY AVAILABLE
AND POTENTIAL CREATIVE PROGRAMS WITH HIGHER EDUCATION
INSTITUTIONS IN THE REGION IN YOUR RESPONSE. PLEASE ALSO
INCLUDE A LIST OF UNIVERSITIES AND COMMUNITY COLLEGES WITH
RELEVANT DEGREES AND THE NUMBER OF STUDENTS GRADUATING
WITH THOSE DEGREES OVER THE LAST THREE YEARS. ADDITIONALLY,
INCLUDE INFORMATION ON YOUR LOCAL/REGIONAL K-12 EDUCATION
PROGRAMS RELATED TO COMPUTER SCIENCE.

## WE INSPIRE.

## AT A GLANCE

- As a designated Brookings' knowledge capital, metro Atlanta has more than 275,000 students enrolled in its higher education institutions.
- Atlanta's Georgia Tech is ranked #5 best graduate and #6 best undergraduate computer engineering programs and graduates the most women and second most African-American engineers with a bachelor's degree in the nation.
- The HOPE scholarship and grant program has provided more than \$9.4 billion in finance assistance for higher education beyond high school.
- Metro Atlanta has a strong track record of the business community collaborating to advance K-12 and higher education in the region.
- Approximately 27,000 public high school students are enrolled in the state's Information Technology (IT) career cluster.
- Georgia is working to ensure every student has a chance to learn computer science skills during their K-12 education, with an emphasis on coding.

Metro Atlanta is one of America's leading centers of education with more than 275,000 students enrolled in 70 colleges and universities. In fact, in 2016, Atlanta was named among the top knowledge capitals of the U.S. and Europe by the Brookings Institution.

Approximately two million students are enrolled at schools within a 250-mile radius.

After graduation, many alumni of these schools choose Atlanta for job opportunities in the areas of engineering, business, law, design, and medicine.

Atlanta's rapidly growing population has fed the growth of the region's college and university system, producing some of the nation's fastest-growing student populations. Additionally, the HOPE scholarship and grant program has increased the quality and competitiveness of the region's schools. Atlanta ranks as the #5 metro area for retaining college grads from two- and four-year institutions with a 73.2 percent retention rate, according to CityLab and Brookings.

Metro Atlanta's university system is very business-facing, offering a variety of programs to assist companies with their hiring needs as well as research and development efforts. The Technical College System of Georgia ties into this ecosystem by offering a variety of customized training and certificate programs.

Along with a strong higher education system of public and

private colleges and universities, metro Atlanta is home to inspiring public and private K-12 schools. Computer science and STEM/STEAM programs are also growing throughout the school systems. Atlanta's – and Georgia's – commitment to preparing students for the jobs of the future is powering the region's job growth and helping the region retain and attract the talent Amazon needs for Day 1.

### **BUSINESS AND HIGHER EDUCATION PARTNERSHIPS**

Georgia has a rich history of higher education collaboration between institutions and businesses across industry sectors. Today, these partnership opportunities are as varied as the partners who form them. They fall into the following categories:

- Internships and Co-op Programs
- Corporate Partnerships
- Academic Partnerships

See "Examples of Business and Higher Education Partnerships" in Appendix B.

Two examples that demonstrate the range of potential partnership opportunities are the Georgia Tech Research Institute (GTRI) and the Georgia Research Alliance (GRA). Founded in 1934, GTRI has grown to 2,000-plus employees supporting eight laboratories in over 20 U.S. locations, performing more than \$350 million of problem-solving research annually for government and industry. GRA has developed

into an internationally-acclaimed model for unifying business, research universities, and state government to create and sustain a technology-rich economy. GRA's Eminent Scholars program, launched to draw leading scientists to Georgia by giving them state-of-the art equipment and accommodations, partners with Georgia's research universities and private donors to create permanent endowments for every scholar.

## HIGHER EDUCATION INSTITUTIONS

The colleges and universities located in metro Atlanta are among the best in the nation, offering the mix of technology, engineering, business, and legal talent that Amazon desires. With more than 275,000 students enrolled in 70 higher education institutions, metro Atlanta's colleges and universities fuel businesses with talent, discovery, and innovation. The area is home to six research institutions – Emory University, Georgia Institute of Technology, Kennesaw State University, Georgia State University, Clark Atlanta University, and the University of Georgia.

WalletHub named Atlanta the #1 best college city in 2016 (among large cities with more than 300,000 people) as well as the #2 metro area for quality of engineering universities in 2017.

With 22 technical colleges and 85 campuses statewide, the Technical College System of Georgia offers certificates, diplomas, and associate degrees with credits that are transferable to Georgia's four-year institutions. In 2016, Move On When Ready made it possible for more than 17,000 students in high school and middle school to earn college credit while satisfying high school graduation requirements, all at no cost to their families.

Since it began in 1993, Georgia's HOPE Scholarship and Grant Programs have provided \$9.4 billion in financial assistance for 1.7 million students at eligible Georgia public and private colleges and universities and public technical schools. HOPE helps pay the cost of tuition at eligible Georgia post-secondary institutions as an incentive and reward for Georgia's high-achieving students. In addition to providing higher education opportunities for Georgia students, HOPE has helped keep many of Georgia's "best and brightest" in the state for college. This has transformed higher education in Georgia, with rising average GPAs and SAT scores among entering freshmen and increasing academic rigor at the institutions. Georgia's HOPE Scholarship and Grant Programs offer a great advantage for relocating families with children and for companies training employees through local technical colleges.

## **MAJOR COLLEGES AND UNIVERSITIES**

**GEORGIA INSTITUTE OF TECHNOLOGY** 

Fall 2016 Enrollment: 26,839

Fall 2016 Entering Freshman Average SAT/ACT: 1410/32

Georgia Tech is a public research university in the heart of

the city that provides technologically-based education to approximately 27,000 undergraduate and graduate students. Georgia Tech is a national leader in computer engineering education, ranked #5 best graduate and #6 best undergraduate computer engineering programs. The institution offers the first accredited online Master of Science in Computer Science through the Massive Open Online Course (MOOC). Georgia Tech produces the most women engineers and second most African-American engineers in the nation, in terms of bachelor's degrees. The campus has become the epicenter of Atlanta's knowledge-based economy. Known as "Tech Square," this part of campus houses one of the nation's most respected and longest-serving (37 years) business incubator programs called the Advanced Technology Development Center (ATDC). Many global businesses have located innovation centers at Tech Square to collaborate with students, faculty, and startups located at ATDC.

#### **EMORY UNIVERSITY**

Fall 2016 Enrollment: 14,067 Fall 2016 Entering Freshman Average SAT/ACT: 1395/32

Emory is a private research university recognized for outstanding liberal arts colleges, graduate and professional schools, and one of the world's leading health care systems. The university offers education through nine schools, including more than 70 undergraduate choices and dozens of graduate and professional specialties. In addition to housing excellent undergraduate programs, Emory is home to the highly-ranked Goizueta Business School and top graduate programs in law and medicine. In fiscal year 2016, Emory experts received \$574.6 million in total research funding awards.

## SAVANNAH COLLEGE OF ART AND DESIGN (SCAD) – ATLANTA

Fall 2016 Enrollment: 2,158 (Atlanta campus)
Fall 2016 Entering Freshman Average SAT/ACT: 1070/24

SCAD is one of the country's top art and design private schools. It offers 40 accredited programs in design topics such as UX design, industrial design, motion media design, interactive design, and game development, among others. SCAD Atlanta's interactive design and game development program has won the top prize in the E3 College Game Competition for three years running, along with receiving praise from The Princeton Review and Animation Career Review. SCAD Atlanta's Collaborative Learning Center partners with a wide variety of businesses, brands and organizations to research and solve challenging problems by drawing on the talents of top students from SCAD's more than 50 design disciplines.

## **ATLANTA UNIVERSITY CENTER**

The Atlanta University Center (AUC) Consortium is the world's oldest and largest association of Historically Black Colleges and Universities (HBCUs). The AUC is composed of four member institutions – Clark Atlanta University, Morehouse College, Morehouse School of Medicine and Spelman College.

 Spelman College is a global leader in the education of women of African descent and is ranked as the #1 HBCU in the nation.

Fall 2016 Enrollment: 2,125 Fall 2016 Entering Freshman Average SAT/ACT: 1075/24

 Clark Atlanta University is a private, coeducational institution with a predominantly African-American heritage.

Fall 2016 Enrollment: 3,884 Fall 2016 Entering Freshman Average SAT/ACT: 895/20

 Morehouse College is the largest men's college in the U.S. and ranked the #4 HBCU in the nation. It is the alma mater of many African-American community and civil rights leaders, including Dr. Martin Luther King Jr.

Fall 2016 Enrollment: 2,108 Fall 2016 Entering Freshman Average SAT/ACT: 1008/21

 Morehouse School of Medicine (MSM) is among the nation's leading educators of primary care physicians and was recently recognized as the top institution among U.S. medical schools for its social mission.

Fall 2016 Enrollment: 480

## **UNIVERSITY OF GEORGIA**

Fall 2016 Enrollment: 36,574 Fall 2016 Entering Freshman Average SAT: 1240/26

The University of Georgia is a public research university with an enrollment exceeding 36,000 students. Its main campus is in Athens, Georgia, 72 miles northeast of Atlanta (about an hour's drive from the city). At its founding, UGA made history as America's first state-chartered university. These days, the school is known for its vibrant student community: Athens was rated among the best college towns in the country by U.S. News & World Report. UGA's academic programs of excellence include business, law, and journalism.

## **GEORGIA STATE UNIVERSITY**

Fall 2016 Enrollment: 50,969

Fall 2016 Entering Freshman Average SAT/ACT: 1070/23

Georgia State University is a public research university in downtown Atlanta and the largest institution in the metro Atlanta area. Its total student population of 51,000 includes 32,082 students on the downtown campus. The university is a national leader in graduating students from diverse backgrounds. GSU's J. Mack Robinson College of Business is ranked among the top business schools, according to U.S. News & World Report. Its undergraduate programs in risk management and insurance, computer information systems, and real estate are especially highly ranked.

#### KENNESAW STATE UNIVERSITY

Fall 2016 Enrollment: 35,018

Fall 2016 Entering Freshman Average SAT/ACT: 1090/23

Kennesaw State is a public institution with the main campus located in Kennesaw, Georgia, approximately 20 miles northwest of Atlanta. A secondary campus is in nearby Marietta. One of the South's most innovative institutions, according to U.S. News & World Report, it has approximately 35,000 students with more than 150 undergraduate, graduate and doctoral degrees offered. KSU has been a Center of Academic Excellence in Cybersecurity Education since 2004 and now offers an online Bachelor of Science in Cybersecurity, further broadening opportunities for students to earn the skills companies need immediately to address their cybersecurity challenges.

Our colleges and universities offer the pipeline of technology, engineering, business, and legal talent that Amazon desires.

For a complete breakdown of graduates (degrees awarded) in relevant programs of study at specific institutions, see Appendix C.

## K-12 COMPUTER SCIENCE EDUCATION

Georgia is working to ensure every student has a chance to learn computer science skills during their K-12 education. State standards for computer science in Georgia's elementary, middle, and high schools are currently under development. With a recent grant awarded from the National Science Foundation, five districts in Georgia, including Atlanta Public Schools (APS) and Douglas County Schools, will be a test ground for advancements in K-12 computer science education. Approximately 27,000 public high school students in metro Atlanta are enrolled in Georgia's Department of Education Information Technology (IT) career cluster.

For a complete breakdown of high school computer science course options, high school IT career pathways, AP computer science, K-12 computer science initiatives, STEM-certified schools, as well as teacher professional development programs and student development initiatives in metro Atlanta, see Appendix D.

## **TRANSPORTATION & TRANSIT**

PLEASE PROVIDE HIGHWAY, AIRPORT, AND RELATED TRAVEL AND LOGISTICS INFORMATION FOR ALL PROPOSED SITES. PLEASE ALSO INCLUDE TRANSIT AND TRANSPORTATION OPTIONS FOR COMMUTING EMPLOYEES LIVING IN THE REGION. FOR EACH PROPOSED SITE IN YOUR REGION, IDENTIFY ALL TRANSIT OPTIONS, INCLUDING BIKE LANES AND PEDESTRIAN ACCESS TO THE SITE(S). ALSO, LIST THE RANKING OF TRAFFIC CONGESTION FOR YOUR COMMUNITY AND/OR REGION DURING PEAK COMMUTING TIMES.

## WE CONNECT.

## AT A GLANCE

- Eighty percent of the U.S. market is reachable within two delivery days by truck via metro Atlanta's three interstate highways or within two hours by plane.
- Hartsfield-Jackson Atlanta International Airport is the world's most-traveled airport based on passenger volume and has the most nonstop markets served, both domestic and international combined.
- In 2016, City of Atlanta voters approved over \$2.5 billion in additional MARTA funding for expansion of our existing heavy rail, light rail, bus and new BRT services.
- Atlanta is ranked #4 among large cities for bike commuting growth between 2000 and 2016 (Source: 2016 American Community Survey Data Report, League of American Bicyclists).
- Atlanta is tied for the lowest Travel Time Index for metros with a population over three million.

#### TRANSPORTATION INFRASTRUCTURE

One of the strengths of metro Atlanta is its solid transportation infrastructure, including three interstate highways, world-class airport, freight train capabilities, and connections to the state's two seaports. Combined, these assets have helped metro Atlanta grow into one of the top three logistics distribution hubs in the U.S., an achievement that supports sustained growth for companies throughout the region.

## **INTERSTATE HIGHWAYS**

Eighty percent of the U.S. market is reachable within two delivery days by truck via metro Atlanta's three interstate highways:

- Interstate 75 the major link between the Southeast and the Great Lakes, which runs 1,786 miles, serving Miami, Tampa, Chattanooga, Knoxville, Lexington, Cincinnati, Toledo, Detroit and other major cities
- Interstate 85 the major travel corridor between the Deep South and the Mid-Atlantic, which runs 666 miles, serving Montgomery, Charlotte, Greensboro, Research Triangle, Richmond and others
- Interstate 20 the major east-west highway, which runs 1,535 miles from Texas to South Carolina, serving Dallas, Shreveport, Birmingham, Columbia and others

The state has an ongoing commitment to invest in the region's transportation infrastructure. That was demonstrated in 2015 with the passing of Georgia House Bill 170 - Transportation Funding Act. The bill permanently doubled Georgia's investment in its transportation network, taking funding from \$1 billion to

\$2 billion annually. This adds to \$1.2 billion in federal funding annually. These funds will go toward capital maintenance and system preservation, innovative transportation systems, managed lanes, transit expansion and operations and smart corridors.

### **INTERNATIONAL AIRPORT**

Hartsfield-Jackson Atlanta International Airport is the world's most-traveled airport based on passenger volume. It serves more than 100 million passengers annually and nearly 250,000 passengers per day. This includes Delta Air Lines' Hub at ATL, which with over 1,000 departures to more than 200 global destinations is the largest airline hub in the world (with 25 percent more daily departures than the next largest U.S. airlines hub). Because of its prime location, 80 percent of the U.S. is within a two-hour flight. Hartsfield offers nonstop flights to more than 150 destinations and over 70 international destinations in 45 countries. In fact, it is the #1 U.S. airport for total nonstop markets served (domestic and international combined).

## DAILY NONSTOP SERVICE FROM ATLANTA (JULY 2017)

Destination	Airport	Daily Flights from ATL (nonstop)
Seattle	Seattle/Tacoma (SEA)	11
	John F. Kennedy (JFK)	7
New York	La Guardia (LGA)	27
	Newark, NJ (EWR)	19
	San Francisco (SFO)	10
Bay Area	Oakland (OAK)	2
	San Jose (SJC)	3
Washington DC	Washington National (DCA)	20
Washington DC	Washington Dulles (IAD)	12
	Baltimore MD (BWI)	18

Ongoing investment is maintaining Hartsfield-Jackson as a world leader.

ATL Next is a \$6-billion expansion plan that is expanding one concourse by five gates, adding a new concourse with 10 gates and adding a sixth runway.

It will also include a 400-room InterContinental Hotel.

#### **RAIL AND PORTS**

Over 5,000 railroad miles (8,000 kilometers) run throughout Georgia, making the state the largest intermodal hub in the region. CSX Transportation and Norfolk Southern each operate more than 80 freight trains in and out of Atlanta daily, and overnight freight service is available from the two nearby ports.

The Port of Savannah, the largest single container terminal in the nation, is approximately 250 miles from Atlanta. It is also the nation's fastest growing and fourth-busiest container port while serving as the second-busiest U.S. container exporter. The Port of Savannah is the only U.S. container port with two Class 1 railroads onsite - CSX and Norfolk Southern - and it has the largest concentration of import distribution centers on the east coast. Work is well underway on the Savannah Harbor Expansion Project, a \$973 million channel deepening project, which will allow Post- and Neo-Panamax vessels to call on Savannah regardless of tide, ensuring Savannah's future as the southeastern U.S. hub of choice for ocean-going imports and exports.

The Port of Brunswick is approximately 300 miles from Atlanta. It is the #1 port in the U.S. for new automobile imports.

## **COMMUTING OPTIONS**

While metro Atlanta's infrastructure is ideal for helping companies to connect to satisfy their business needs, receive and deliver products and provide services, the region also offers a variety of options for helping people get around the city and find convenient access to work and leisure activities. Commuting options around metro Atlanta are just as diverse as the people and places in the city.

#### **RAIL AND BUS SERVICE**

MARTA, or Metropolitan Atlanta Rapid Transit Authority, is the metro region's heavy rail and bus service. Not only does it connect Atlanta's neighborhoods to one another, MARTA also provides residents with direct, convenient access to the airport—in fact, it is the #1 airport service in the nation, with an average of three minutes from baggage claim to rail platform and 16 minutes from arrival to destination.

Every weekday, 500,000 people are moved by MARTA. So many factors are driving MARTA's numbers - they've reduced emissions by 95 percent in 347 of their buses by using compressed natural gas, supporting Atlanta's clean air and

sustainability efforts. They are ranked second lowest in crime rate among the nation's transit services - in fact, the current crime rate for the MARTA system is 2.68 per one million passenger boardings. And MARTA's on-time performance is among the best in the nation for rail.

Every company and new employee Atlanta welcomes into the city drives the momentum and excitement around the improvements already being made to the public transit system. One of those efforts is the highly successful Transit Oriented Development (TOD) program, which is working to transform under-performing properties into high-density Live-Work-Play communities anchored around MARTA rail stations. Another is called Station Soccer at Five Points, the world's first soccer field in a train station that is aimed at allowing youth to find new opportunity regardless of where they come from.

Over the interstates and roads, other commuter bus options run alongside MARTA's, like CobbLinc, a local bus service to Midtown and Downtown. GCT helps get Gwinnett County residents to the same destinations, and Xpress, the state road and tollway authority covers 27 routes over the metro areas. The 27 Xpress Park-and-Ride lots can be found in 12 metro Atlanta counties and pull ridership from 44 counties total, serving major employment centers in Downtown, Midtown, and Peachtree Center. With over two million trips occurring annually, it's not surprising that Xpress removes 55 million miles of congestion from local interstates.

When you have a bit less distance to cover, the Atlanta Streetcar runs through 2.7 miles of light rail transit downtown, connecting some of the most treasured spots in the city. From Centennial Olympic Park to the Martin Luther King Jr. National Historic Site, the streetcar established a light rail maintenance facility for the city, and the Atlanta City Council recently approved MARTA to assume all operations. A massive expansion of the streetcar is in the works - soon it will make its way around the Atlanta BeltLine and across the city for a total of 53 miles of track.

#### SUMMARY OF PUBLIC TRANSIT IN SELECTED AREAS

	Summary of Public Transit in Selected Areas
Midtown	Midtown, North Avenue and Arts Center MARTA rail transit stations; MARTA bus service
Virginia Highland	MARTA bus service
Brookhaven	Brookhaven MARTA rail transit station; MARTA bus service
Buckhead	Buckhead and Lenox MARTA rail transit stations; MARTA bus service
	GRTA Xpress bus service during morning and evening commute between Marietta and downtown Atlanta
Marietta	Cobb County Transit Xpress bus service during morning and evening commute between Marietta and Arts Center MARTA rail transit station
	Local bus service provided around Marietta, and between Marietta and other Cobb County locales by Cobb County Transit
Vinings	Local bus service provided between the Vinings area and other Cobb County locales by Cobb County Transit
0 1 570 1 11	GRTA Xpress bus service during morning and evening commute between Sugarloaf/Duluth area and to Midtown MARTA station and downtown Atlanta
Sugarloaf/Duluth	Gwinnett County Transit provides bus service between Sugarloaf Mills, Duluth/Gwinnett Place Mall, Norcross and the Doraville MARTA rail transit station
Perimeter/Dunwoody	Dunwoody and Medical Center MARTA rail transit stations; MARTA bus service
Roswell/Sandy Springs	Sandy Springs and North Springs MARTA rail transit stations; MARTA bus service
Johns Ossali	MARTA bus service
Johns Creek	GRTA Xpress bus service during morning and evening commute between Johns Creek to Chamblee MARTA station
Alpharetta	MARTA bus service
	Civic Center, Peachtree Center, Five Points, Dome/GWCC Phillips Arena/CNN Center, and Georgia State MARTA rail stations, MARTA bus service
Downtown	Atlanta Streetcar to King Historic District
	Commuter buses including GTRA Xpress, CobbLinc, and Gwinnett County Transit to multiple metro suburban locations
Hartsfield-Jackson	Airport MARTA rail station

#### **COMMUTER PROGRAMS**

Commuters who make their way into the city in their own cars have options for assistance as well, through programs like Georgia Commute Options from the Georgia Department of Transportation. This free program offers monetary incentives to motivate commuters to carpool, tax benefit assistance, and employer education. The Midtown Alliance is also working in this area through transportation incentives, partnerships with companies, and discounted MARTA and commuter bus passes. With the average drive for Atlanta workers ranging around half an hour, these options are a key example of the city's strong partnership in commitment to improving public transit options.

## **BIKE COMMUTING**

Atlanta can also be seen from under bike helmets from 44 miles of bike lanes and 36 miles of multi-use paths. Atlanta is ranked the 4th largest city for growth of bike commuting, up more than 331 percent from 2000 to 2016. Part of that increase

comes from the Relay Bike share program, specifically used for commuting from over 70 locations, with over 500 bicycles available for use by students, locals, and visitors. Another contributor is the PATH foundation, also used for commuting and representing over 250 miles of trails in and around Atlanta for walkers, runners, cyclists, and skaters.

These scenic greenways help to keep the city firmly planted in the forest and provide alternative modes of transportation to work and play. And the Atlanta Bicycle Coalition is constantly working to make biking a safer and more appealing option by offering free bike valet at the Mercedes-Benz Stadium, providing biking classes and resources, installing bike racks, promoting lane infrastructure, and hosting a favorite local event, the Atlanta Streets Alive Festival. This festival happens three times each year and closes a section of a busy street for pedestrians and cyclists, giving attendees a whole new view of the area.

The Atlanta BeltLine is a major source of pride and connectivity in the city, being called the "most important rail-transit project that's been proposed in the country, possibly the world," by Christopher Leinberger from the George Washington University School of Business. The \$4.8 billion project will connect 45 neighborhoods – the same beautifully diverse ones – promoting healthy living, providing new jobs, and easing any remaining division of class and race. Along the 22-mile loop, walkers, bikers, joggers and others will find spaces for urban farming, public art by some of the region's most beloved artists, areas for live performances, and 2,000 acres of new parks. Cradling the heart of the city, the BeltLine brings everyone out to walk, ride, play, work, and celebrate the city they love.

### **INCREASING COMMUTER OPTIONS**

All these programs and partnerships have come with Atlanta's increased demand for public transit improvements, which show no sign of slowing down. With House Bill 848, 17 members, including county commissioners, business leaders, legislators, and state transportation agency heads, were assigned to the House Commission on Transit Governance and Funding Committee. House Speaker David Ralston said of its creation, "Transit is becoming more and more important to Georgia's future. From congestion relief to economic development, a robust transit network across our state will have long-term benefits for our citizens."

As metro Atlanta grows its connectivity, the region will continue to look forward to future investments, like that of the Metro Atlanta Regional Transportation Plan (RTP), a long-term blueprint that prioritizes spending on projects throughout the region for the next two decades. The RTP's long-term vision is to build a world-class, sustainable transportation system that addresses concerns about congestion in this ever-evolving city. The current RTP invests over \$93 billion through 2040 to improve roads, transit, bike and walking facilities. In the plan, there is assistance for local governments to create more walk-and-bike-friendly communities, letting citizens get to work faster, or have better access to the transit network.

The momentum continues through funding initiatives at

both the state and local level. City of Atlanta's TSPLOST (Transportation Special-Purpose Local-Option Sales Tax), the four-tenths of a penny sales tax, will generate \$300 million over a five-year period, funding significant citywide projects, including the BeltLine and Complete Streets. Complete Streets is a program focused on enabling safe access for pedestrians, bicyclists, motorists, and transit riders, making it easier to cross streets, walk to shops, and bike to work. The MARTA half-penny sales tax (\$2.5 billion), along with TSPLOST (\$300 million) are the driving forces behind high-priority goals from the Connect Atlanta plan, the Atlanta Streetcar System Plan, and Concept 3, the Atlanta region's transit plan, and more than a dozen neighborhood and community plans that have been created in the past six years. Some of that fund allocation includes:

- \$66 million for the Atlanta BeltLine
- \$75 million for 15 Complete Streets projects
- \$3 million for phase 2 of the Atlanta Bike Share program
- \$69 million for pedestrian improvements in sidewalks
- \$40 million for traffic signal optimization
- High-priority sidewalk and bikeway projects connecting neighborhoods to 80 Atlanta Public Schools and all of Atlanta's rail stations
- 94 percent of all Atlanta residents and 98 percent of the city's jobs are within a half-mile of a proposed TSPLOST, MARTA, or Renew Atlanta transportation project

## TRAFFIC AND CONGESTION

## **TRAFFIC RANKINGS**

The 2015 Urban Mobility Scorecard by the Texas Transportation Institute uses data from the Federal Highway Administration in conjunction with some private sector traffic speed data from INRIX. The main ranking from the Urban Mobility Scorecard is the Travel Time Index (TTI); this index is used by the U.S. Department of Transportation in the Bureau of Transportation Statistics. The TTI compares peak period travel time to freeflow travel time. For metros with a population that exceeds 3 million, Atlanta is tied for the lowest Travel Time Index and Atlanta's ranking has improved nearly every year since 1995 despite population growth. The Urban Mobility Scorecard also showed that Atlanta auto commuters have a yearly delay of 52 hours, which is less than nine other very large metros, including Seattle, Washington, D.C., Chicago, and Boston (all with yearly delay over 60 hours). Atlanta was also shown to have one of the shortest rush hours and lowest percentage of lane-miles congested. These measures of traffic problems suggest that Atlanta is better equipped to deal with a population increase than other large metro areas.

For the 2017 Global Traffic Scorecard, INRIX combined real-time GPS probe data with traditional traffic flow information and

market-specific criteria, like construction and school schedules. They used a proprietary algorithm to measure congestion that was designed to reflect the real-world experience. The study incorporates peak hours spent in congestion, the INRIX congestion index, and the average congestion rate into the overall ranking. According to the Global Traffic Scorecard, Atlanta ranks fourth for worst traffic in the U.S. Atlanta also ranks fourth for peak hours spent in congestion at 71 hours. Traffic congestion is a feature of every vibrant metro area; INRIX cites population, economic growth, and urbanization as the root causes of congestion.

Consistent improvements in TTI show Atlanta does a better job of managing the congestive consequences of growth than other rapidly growing cities. Persistently high growth rates in the metro area have meant that Atlanta has developed the civic and political infrastructure to accommodate a continuing large influx of people. With that said, the Appalachian Regional Port will significantly mitigate traffic congestion by reducing the number of trucks on Atlanta's roadways. There have certainly been times when population increases have undesirably added to congestion. But congestion is a feature of any popular destination. Amazon will add 50,000 high-paying jobs, which will create thousands of indirect jobs. Each of these added workers potentially brings along other potential family members. The net addition of Amazon will likely bring in more than 100,000 people to the metro area, on top of whatever growth would otherwise be occurring. Very few cities have demonstrated that they can handle such growth, using Seattle's recent growth as a benchmark.

## **IMPLEMENTING NEW TECHNOLOGY**

A major component of the Atlanta Region's Plan is to foster the application of advanced technologies to the transportation system. The plan includes funds to operate the region's Transportation Systems Management program, which is designed to anticipate and manage congestion, reduce traffic deaths and injuries, and improve travel time reliability. Application of data-driven technologies, like synchronized signal timing and advanced traffic management systems improve how our government stays ahead of congestion. Traffic signal synchronization and communication will result in 700,000 gallons of fuel and 1.4 million hours of Atlanta drivers' time saved each year because of increased efficiency.

The Regional Transportation Plan (transportation element of the Atlanta Region's Plan), details specific projects and prioritizes long-term spending in the area. The Regional Transportation Plan (RTP) is a long-range blueprint that prioritizes spending on transportation projects in the Atlanta region for the next two decades and supports the long-term vision of building a world class, sustainable transportation system that addresses congestion in this growing and evolving city. The current RTP invests over \$93 billion through 2040 to maintain and improve roads, highways, transit, and bicycling/walking facilities in the region. Nearly two-thirds of the funding will be used to maintain and modernize the region's existing systems, while \$29 billion is programmed for major expansion projects. In terms of highway improvements, the RTP aims to:

- Widen major thoroughfares and improve highway interchanges - The Atlanta Region's Plan includes \$7.7 billion to widen the region's network of major arterial roads and upgrade interchanges on freeways, the backbone of the region's transportation system. In all, 185 major roads will be widened.
- Build a network of managed toll lanes Imagine hopping on a freeway during rush hour and traveling at least 45 miles per hour across the region. That's the promise of managed toll lanes – a free-flowing ride for people willing to pay a toll, carpool, or ride a bus. The plan will nearly triple the miles of freeway corridors with managed lanes, from around 70 today to over 200 by 2040 (Source: Atlanta Regional Commission, 2017).

On a state level, the Georgia Department of Transportation (GDOT) meets traffic challenges with innovative solutions; they cite the Variable Speed Limit (VSL), Regional Traffic Operations Program (RTOP)/Synchronized Lights and Diverging Diamond Interchange (DDI) among them. The VSL system is set up to reduce crashes and keep traffic flowing for longer periods on one of Atlanta's major interstates, I-285. Speed limits change based on road, traffic, and weather conditions. Electronic signs slow down traffic ahead of congestion or bad weather to smooth out flow, diminish stop-and-go conditions and reduce crashes. This low-cost, cutting edge technology alerts drivers in real time to speed changes resulting in more consistent speeds and improved safety. GDOT has a nationallyrecognized Regional Traffic Operations Program (RTOP). The innovative traffic signal synchronization program in metro Atlanta centralizes the control of traffic signal timing along key arterial routes to improve traffic flow, diminish emissions, and reduce crashes.

Focused on improving traffic flow and increasing safety in the region's most-congested interstate corridor, the \$800 million Transform 285/400 Project is on schedule for completion in 2020 and is expected to reduce daily delays for users of the interchange by 20,000 hours.

## NORTH AVENUE SMART CORRIDOR/SMART CITY

The City of Atlanta recently announced a new research partnership with Georgia Tech to design, implement, and evaluate Smart City initiatives. The North Avenue Smart Corridor Project, funded by the Renew Atlanta Infrastructure Bond program, involves numerous Smart City technology components aimed at facilitating and promoting safety for pedestrian and bicycle traffic and creating a more efficient flow of bus and car traffic using adaptive signals that respond to real time conditions.

Atlanta has taken on the challenge to become a Smart City by focusing on five core pillars of multi-modal transport, public safety, environmental sustainability, city operational efficiency, and citizen and business engagement. North Avenue in Midtown has been selected as Atlanta's first Smart Zone. The project will include smart vehicle mobility, smart pedestrian

mobility, V21 autonomous vehicle pilot, smart vehicle crash predictions, smart street lights, smart environmental sensor array, and smart water.

With the testing of the autonomous shuttle on North Avenue as a part of this initiative, Atlanta became one of the largest urban areas to test autonomous vehicles along with Sao Paulo and Shanghai. Atlanta is one of just three cities around the world that will be testing technology as part of the Together for Safer Roads initiative. The program brings together private sector companies such as IBM, UPS, AIG, and Facebook to provide knowledge, data, technology, and global networks to improve safety in innovative and accelerated ways

(Source: SmartATL, 2017).

### **LOGISTICS AND SUPPLY CHAIN ADVANTAGES**

Because of metro Atlanta's exceptional transportation infrastructure and prime location, the region has quite naturally evolved into a supply chain and logistics hub.

In a recent study by Deloitte LLP, Atlanta ranked as the #2 metro area in the nation for digital supply chain, behind only New York-New Jersey, and is one of the most important global logistics centers in the U.S.

The region is also ranked #5 nationally for employment in transportation and logistics and ranked #6 nationally for employment in distribution and e-commerce. Metro Atlanta has more than 136,000 people employed in supply chain management and technology occupations as of 2016 – projected to grow 13.5 percent over the next 10 years (Source: EMSI, 2016).

Traded Cluster	Employment 2015	National Rank (metros)	Employment Location Quotient*
Transportation and Logistics	61,636	5 <sup>th</sup>	1.91
Distribution and E-commerce	143,471	6 <sup>th</sup>	1.31
Communications Services	21,576	2 <sup>nd</sup>	3.78

\*Location quotients are based on traded cluster employment according to the U.S. Cluster Mapping Project. Location quotients quantify how specialized a particular industry or cluster is in a region as compared to the nation. Location quotients are calculated by dividing the industry or cluster's regional employment percentage of total regional employment by the industry or cluster's national employment percentage of total national employment (in this case, employment numbers were just for traded clusters).

There are 17 corporate innovation centers in metro Atlanta fully or partially focused on applying cutting edge technologies to their supply chains. The region also has a critical mass and specialization both in supply chain and technology clusters. Strengths in these clusters provide fertile ground for Atlanta companies to become global leaders in developing new

solutions to digitize the supply chain distribution niche here.

Metro Atlanta was recognized as the #2 North American metro for competitiveness in the IT and communications industry as well as the #4 North American metro for competitiveness in the transportation and logistics industry. The region was differentiated based on its proven ability to attract and retain corporate facility investment in these sectors as well as the regional economic performance of both sectors. (Conway Inc. and Site Selection Magazine, "The World's Most Competitive Cities, 2017," Spring 2017).

Of the nation's top 100 logistics IT providers, 19 have a presence in metro Atlanta, the same number as in New York-New Jersey. IT logistics providers with headquarters here include Blue Ridge, Deposco, LogFire, Logility, Numerex, nVision Global, Rail Connect 360 and SMC3. Other IT logistics providers with a significant presence in metro Atlanta include Epicor, Infor, Oracle and SAP, among others. (Georgia Department of Economic Development, Inbound Logistics Top 100 Logistics IT Providers, 2016).

Additionally, Atlanta's dominant cluster of core supply chain software companies is anchored by Manhattan Associates, the industry leader in warehouse management software. Manhattan Associates scaled their company from a handful of employees to more than 3,000 in the region, sparking a new ecosystem of solutions providers and spinoff startups created by Manhattan alumni. Many companies, including nuVizz, Bricz, WMSight and dozens more, were founded by former Manhattan employees. Alan Dabbiere, one of the Manhattan Associates founders, is arguably the most successful entrepreneur in metro Atlanta today. After Manhattan went public, Dabbiere co-founded AirWatch, which achieved a unicorn valuation before being acquired by VMware for more than \$1.5 billion in 2014. Dabbiere has recently founded two more companies in Atlanta, OneTrust and Aware Software.

Of our region's 26 Fortune 1000 companies, 16 have core business areas within the digital supply chain ecosystem. This includes some of the largest procurement and purchasing organizations in the U.S., like Coca-Cola, The Home Depot and Carter's; two of the world's leading cargo transportation providers in Delta Air Lines and UPS; global manufacturers such as NCR, Acuity Brands and AGCO; and several of the largest distributors in the country, including Genuine Parts, BMC Stock Holdings Inc. and GMS Inc.

Adding to the metro region's advantages is the exceptional strength of the professional services sector that supports supply chain functionalities. The global leader in network planning, Chainalytics, is headquartered in metro Atlanta, and all major players in supply chain consulting maintain core functions here, including the head of Deloitte's digital global supply chain practice. Global companies based in metro Atlanta have developed distinct solutions and skill sets to evolve their traditional supply chain to a digital network. Some examples include The Home Depot Project Sync, UPS ORION and the Delta Cargo Control Center.

Another key reason for the clustering of cross-supply chain

integration in Atlanta is the region's unique talent mix. Georgia Tech is the home of the Physical Internet, responsible for optimizing logistical processes. Moreover, companies can connect with many other top academic institutions throughout Georgia offering supply chain programs (Georgia College and State University, Georgia Southern University) and in neighboring states (Clemson University, University of Tennessee, Auburn University). As the Deloitte study shows, metro Atlanta's pipeline of digital supply chain talent is strong, especially relative to size of the labor market.

Even though Georgia produces many graduates specializing in supply chain, when it comes to innovation the metro Atlanta digital supply chain ecosystem is closely tied to Georgia Tech. Georgia Tech leads the world's elite academic institutions in supply chain thinking, and corporations have long coveted the talent produced there. Today, these corporations are also collaborating closely with the institution on innovation projects. Many of the innovation centers that have sprung up on or near the campus over the past decade run projects and internship programs in the digital supply chain ecosystem, including: The Home Depot, Delta Air Lines, Flex, Stanley Black & Decker, thyssenkrupp and Boeing.

Many of the recent major corporate relocations that have emerged near Georgia Tech also have a supply chain component. For example, GE Digital specifically cited Georgia Tech as a key factor in their decision to locate their digital hub headquarters in Atlanta. This group is essentially GE's supply chain software arm, designing solutions that knit together the company's Industrial IoT platforms. Other examples in Atlanta's Midtown, which connects to the Georgia Tech campus, include NCR and Keysight Technologies.

## **QUALITY OF LIFE**

PLEASE INCLUDE INFORMATION ON YOUR COMMUNITY WITH RESPECT
TO DAILY LIVING, RECREATIONAL OPPORTUNITIES, DIVERSITY OF
HOUSING OPTIONS, AVAILABILITY OF HOUSING NEAR POTENTIAL SITES
FOR HQ2, AND PRICING, AMONG OTHER INFORMATION. PLEASE ALSO
INCLUDE RELEVANT CRIME DATA AND COST OF LIVING DATA.



## **AT A GLANCE**

- Outdoor recreation, with myriad options for hiking, biking, water sports and more, is available year-round because of Atlanta's moderate climate.
- Atlanta's robust arts and music scene is complemented by vibrant nightlife options.
- Atlanta is a foodie town offering unlimited choices of cuisine and ambiance.
- Metro Atlanta's cost of living index is below the national average.
- Diverse in-town and suburban neighborhoods with housing options and lifestyle amenities for all stages of life and interests are available around the region.

Atlanta is full of vibrant neighborhoods that offer the breadth of culture and entertainment to suit individuals and families from every walk of life. It's the urban landscape that inspires big city dreams and an affordable way to do it all. And the metro area is nestled amid nature's finest outdoor treasures and some of the best nearby locales to recharge. Atlanta has incredible livability.

## **DAILY LIVING AND RECREATIONAL OPPORTUNITIES**

There's always something to do in Atlanta. The region offers an abundance of lifestyle options from outdoor recreation, sporting events, arts and music, culinary delights, nightlife, festivals, attractions, and much, much more.

#### **OUTDOOR RECREATION**

#2 Metro Area with Magnificent Hiking Trails - Marmot, 2016

#2 City for Fitness - WalletHub, 2017

#5 City for Recreation - WalletHub, 2017

As "the city in a forest," Atlanta's tree-filled landscape – nearly 48 percent of Atlanta is covered by an urban tree canopy, the highest percentage in the nation – offers remarkable variety for outdoor recreation both in the urban core of the region and just outside of the city. Atlanta's weather is ideal for enjoying all that our beautiful outdoor spaces offer throughout the year. With an average annual temperature of 61 degrees and four distinct seasons, our moderate climate is sunny 60 percent of the time, averaging 117 days of precipitation per year and 47 inches of annual rainfall. The warmest month is typically July with an average temperature of 80.2 degrees; the coldest is typically January with an average temperature of 44.2 degrees. But there's plenty of great weather in between these two contrasts (Source: U.S. Climate Data).

Atlanta is home to more than 300 parks dispersed across roughly 3,000 acres of parkland and greenspaces. There are

also myriad opportunities for biking, hiking, water sports and other activities around the region along with more than 100 golf courses and over 300 golf days to enjoy on the fairway.

Additionally, there are more than 30 dog parks in Atlanta and surrounding areas, including Piedmont Dog Park, a nearly 3-acre dog run in Piedmont Park with separate enclosures for small and large breeds, and Freedom Barkway, a 2-acre greenspace surrounded by leafy trees in Freedom Park in Old Fourth Ward.

One initiative that is redefining Atlanta's recreational landscape is the Atlanta BeltLine, which was conceived in 1999 by Georgia Tech student Ryan Gravel. It is the most comprehensive transportation and economic development effort ever undertaken in the city and among the largest, most wide-ranging urban redevelopment programs currently underway in the U.S. This sustainable redevelopment project will ultimately connect 45 intown neighborhoods via a 22-mile loop of multi-use trails, modern streetcar, and parks – all based on railroad corridors that formerly encircled Atlanta. When completed, it will provide first and last mile connectivity for regional transportation initiatives and will catapult Atlanta's economic growth and sustainability for decades.

#### **SAMPLING OF OUTDOOR RECREATION OPTIONS:**

- The Silver Comet Trail a 95.5-mile continuous trail from Atlanta (Marietta area) to Anniston, Alabama.
- Unlimited hiking options including the Chattahoochee River National Recreation Area, Kennesaw Mountain and the North Georgia Mountains.
- Piedmont Park Every year, Piedmont Park hosts major festivals such as the Atlanta Dogwood Festival and Atlanta Pride. But the 211-acre park is open year-round to athletes, nature lovers and anyone who enjoys a good stroll through a beautiful green space.
- Centennial Olympic Park Centennial Olympic Park not only serves as a legacy of the 1996 Olympic Games, but is the center of a thriving tourist district with neighbors that include the College Football Hall of Fame, the Center for Civil and Human Rights, the World of Coca-Cola, Georgia Aquarium, CNN Center and Imagine It! The Children's Museum. This downtown Atlanta park is an urban oasis offering an abundance of activities and things to do for visitors, families, convention attendees and locals.
- Lake Lanier (Northeast of metro Atlanta) and Lake Allatoona (Northwest of metro Atlanta) – for fishing, swimming, and boating.
- Lanier World Relax on the sand or enjoy the water park rides and attractions at this beach on Lake Lanier.
- Red Top Mountain State Park With 15 miles of trails along Lake Allatoona, this park is the perfect spot for hiking and water sports.
- Chattahoochee River Recreation Areas Covering 15.3 square miles in the heart of metro Atlanta, the river valley attracts people for many reasons. Take a solitary walk to enjoy the display of nature, raft leisurely through the rocky shoals, fish the misty waters, or have a picnic on a beautiful Sunday afternoon.
- Atlanta Botanical Garden (Midtown) Maintains plant collections for the purpose of display, education, research, conservation, and enjoyment.
- Adult recreation leagues and clubs for popular sports, such as tennis, softball, soccer, basketball, cycling, running, swimming and triathlon are available throughout the metro area.
- The Atlanta Lawn Tennis Association (ALTA) is the largest city tennis league in the world with more than 80,000 members throughout the metro area.
- The Atlanta Track Club (ATC) is the second largest running organization in the United States, serving 27,000 members who are runners and walkers of all ages and paces.

 REI – With four locations in the metro Atlanta area, REI offers outdoor classes and activities including hiking, camping, cycling, kayaking, paddle boarding, yoga, etc.

### **ARTS AND MUSIC**

**#1** Place for Museums Per Capita (tied with New York, San Francisco, DC) - WalletHub, 2017

Enjoying exhilarating art and powerful performances are an important part of life in Atlanta. Whether one prefers traditional or avant-garde options, there's something for every taste. In addition to countless performances at music venues ranging from grand auditoriums to cozy lounges, the city is home to over 60 major music events and 30 festivals, including the renowned Atlanta Jazz Festival, Shaky Knees, Shaky Beats, Music Midtown, A3C (named one of Expedia's 20 Must-Experience Festivals in the U.S. for 2017) and many more.

## **SAMPLING OF ARTS AND MUSIC VENUES:**

- Woodruff Arts Center (Midtown) Third largest arts organization in the US, behind only the Lincoln Center and The Kennedy Center. Woodruff offers Atlantans a bold variety of performing and visual arts. The arts center includes the Alliance Theatre, High Museum of Art and the Atlanta Symphony Orchestra.
- Museum of Design Atlanta (Midtown) The only design museum in the Southeast, MODA is devoted to the understanding and appreciation of design as the convergence of creativity and functionality.
- The Fox Theatre (Midtown) The historic Fox Theatre is one of Atlanta's premiere venues for live entertainment with 150+ performances each year.
- Eddie's Attic Eddie's Attic is a popular live music venue for aspiring and accomplished performing songwriters. Located in Decatur, Georgia, a small, artist-friendly town within the metro Atlanta area, it's a cultural blend of Berkeley and Mayberry.
- Tabernacle Located in downtown Atlanta's Centennial
   Olympic Park District, the Tabernacle has a rich history.
- City Winery City Winery strives to deliver the highest-end combined culinary and cultural experience to customers who are passionate in sharing wine, music, and culinary arts.

See "Creative Culture" section for an in-depth review of Atlanta's rich music scene.

#### **SPORTING EVENTS**

Sports in Atlanta have a rich history. Since Atlanta successfully bid for the 1996 Olympics, Atlanta has quickly accelerated to become an epicenter for sporting events in the Southeast. Atlanta is the proud site of the College Football Hall of Fame, which relocated from Indiana in 2009 due in part to the added exposure offered with an Atlanta locale.

Atlanta is the home to 10 professional sports teams, including the Atlanta Braves (MLB), Atlanta Falcons (NFL), Atlanta Dream (WNBA), Atlanta Hawks (NBA), Georgia Swarm Lacrosse (NLL), and Atlanta United FC (MLS), which kicked off in March 2017 and has already set a record for the most highly attended soccer match in the MLS's 22-season history. On average, a professional sports team plays in Atlanta once every three days.

#### PROFESSIONAL SPORTS TEAMS:

- Atlanta Falcons
   National Football League (NFL)
- Atlanta Braves
   Major League Baseball (MLB)
- Atlanta Hawks
   National Basketball Association (NBA)
- Atlanta United
   Major League Soccer (MLS)
- Atlanta Dream
   Women's National Basketball Association (WNBA)
- Atlanta Silverbacks
   National Premier Soccer League (NPSL)
- Gwinnett Braves
   Minor League Baseball (MiLB)
- Gwinnett Gladiators
   East Coast Hockey League (ECHL)
- Georgia Swarm
   National Lacrosse League (NLL)
- Atlanta Blaze
   Major League Lacrosse (MLL)

Atlanta, while rich in its own team pride, is also a top sports destination for other major sporting events. The city will host the coveted College Football Playoff National Championship in 2018 along with Super Bowl LIII in 2019, both at the new Mercedes-Benz Stadium, and the NCAA Men's Final Four

in 2020. Atlanta is also the major sporting destination for college football (SEC Championship, Chick-fil-A Peach Bowl and Chick-fil-A Kickoff Game), PGA golf (TOUR Championship and Mitsubishi Electric Classic), professional tennis (BB&T Atlanta Open), professional lacrosse (MLL Championship), professional auto racing (Monster Energy NASCAR Series and Petit Le Mans), and recreational running (AJC Peachtree Road Race, world's largest 10K road race, and the Publix Georgia Marathon).

### **CULINARY DELIGHTS**

Two of the nation's top 20 food halls (Ponce City Market and Krog Street Market) - Cushman & Wakefield, 2016

#3 City for Most Restaurants Per Capita – WalletHub, 2017

15 James Beard Foundation Award semifinalists in 2017

Best New Restaurant (Staplehouse) – bon appetit, 2016

Atlanta boasts a brilliantly colorful culture of food and drink that has evolved significantly over the last ten years. Among some of the great traditional restaurants is a new culinary guard that is winning awards and changing up Atlanta's food scene. They've taken Atlanta by storm, making it a top contender among other food epicenters of the south, such as New Orleans and Nashville. From gastropubs and tapas bars to "meat and three" restaurants and 24-hour diners, Atlanta is a destination for foodies. Many restaurants in the city have beginnings that can be traced back as far as the 1920s and still ring true to their traditions of great service and delicious food while being cultural landmarks for the city.

Metro Atlanta has so many compelling restaurants that one always finds a new place to try throughout the metro area. Dining out is very popular in Atlanta and is the primary way people socialize. One of the great things about metro Atlanta is the variety of cuisine available – continental, southern comfort food, barbeque, Italian, Chinese, Thai, Vietnamese, Korean, Persian, Korean, Indian, Latin American, etc. One of the most popular food destinations for diverse cuisine is Buford Highway (BuHi), an international corridor of food diversity. BuHi hosted its first restaurant week in September of this year with a diverse selection of cuisine. Restaurants are also very accommodating to those that have dietary preference including vegetarian, gluten-free, etc. Atlanta Magazine produces an annual list of metro Atlanta's 50 best restaurants.

Just this year, Atlanta's Steven Satterfield of Miller Union won the James Beard Foundation Award for Best Chef: Southeast. As a finalist, he was joined by Ryan Smith of Staplehouse. Other Atlanta finalists included: St. Cecilia (Best Restaurant) and Miller Union (Outstanding Wine Program) along with three selections in the American Cooking Award category for books, Asha Gomez's My Two Souths, Vivian Howard's Deep Run Roots, and Ronni Lundy's Victuals. Overall, 15 semifinalists represented Atlanta and Athens in the 2017 competition.

#### **BREWERIES**

Metro Atlanta has seen continuous growth and evolution of local breweries, brewpubs, and craft beer over the years. Enjoying local craft beer from breweries that pride themselves in exceptional craft beer experience is an important part of Atlanta's food and drink scene. In addition to the bold flavors and great ingredients, the craft beer industry in Atlanta is special largely because of the community aspect and deep roots in the neighborhoods they call home.

#### **SAMPLING OF BREWERIES:**

- Orpheus Brewing Company Orpheus Brewing Company offers tours where guests can sample Orpheus's regular rotation as well as limited releases and barrel-aged beers only available at the brewery.
- Sweetwater Brewing Company Voted #15 brewery in America, Sweetwater Brewing Company's taproom is filled with unique beer that can't be found anywhere else.
- Monday Night Brewing Company One of the founding fathers of Atlanta's craft beer scene, Monday Night Brewing on the Westside has been tying one on for years with cleverly-named classics like Fu Manbrew, Drafty Kilt, and Nerd Alert.
- Arches Brewing Company This south side brewery located in Hapeville takes its name from the five founders who all have extensive home brewing experience and a deep love for beer.
- Red Brick Brewing Red Brick Brewery is Georgia's oldest operating craft brewery serving a range of beers from Hoplanta IPA to Divine Bovine milk stout brewed with chai spices.
- Red Hare Brewing Company Located in Marietta, Georgia (northwest of Atlanta), Red Hare was named the fourth best brewery in the 2016 U.S. Open Beer Championship.
- Reformation Brewery Reformation Brewery is a valuesbased company and believes why people drink is just as important as what people drink.
- Second Self Beer Company Second Self was founded by Georgia Tech alumni and their commitment to community, sustainability, and complexity of flavors sets their product apart. They build recipes around a flavor profile inspired by food.
- Three Taverns Brewery The founder launched Georgia's first Belgian-style brewery.
- Wild Heaven Beer Located in Decatur, Georgia, Wild Heaven's beer is designed in the great tradition of European brewing but with a distinctly American creative flair.

#### **NIGHTLIFE**

**#1** City for Most Nightlife Opportunities Per Capita (tied with San Francisco, Portland, Las Vegas, New Orleans and Tampa) – WalletHub, 2016

Nightlife in Atlanta is electric! Dance the night away at one of the many clubs in the metro area, indulge in a wine tasting or brewery stop, or enjoy a riotous comedy show – the options are endless. Nearly every part of the metro region offers its own flair for nightlife. One example is Midtown, which comes alive with some of Atlanta's best nightlife – from nightclubs with DJs and dancing to comedy and improv; live music performances to art openings, historic theaters to live music venues. One can easily walk from bar to bar or club to club along Crescent Avenue. Buckhead is also a popular nightspot, offering places to dance or just relax on a patio. Popular standalone establishments for nights out include Johnny's Hideaway (which plays everything from the 50s to today) and Havana Club (which plays contemporary music all the way to salsa and merengue). With so many choices, deciding where to go can be difficult. Atlanta Magazine produces an annual list of metro Atlanta's 50 best bars that helps fun seekers narrow down the selection.

### **ATTRACTIONS**

In addition to arts, music, food and the like, Atlanta offers a variety of family-friendly attractions that define the region. They provide the perfect opportunities for learning about history, nature or just having fun in the city.

### **SAMPLING OF ATTRACTIONS:**

- Martin Luther King Jr. Center and National Historic Site –
  The King Center is the official, living memorial dedicated
  to the advancement of the legacy of Dr. Martin Luther King,
  Jr., leader of America's greatest nonviolent movement for
  justice, equality and peace.
- The Carter Center Founded by former U.S. President Jimmy Carter and his wife Rosalynn, the Center is committed to advancing human rights and alleviating unnecessary human suffering.
- National Center for Civil and Human Rights Imagined by civil rights legend Evelyn Lowery and former U.N. Ambassador Andrew Young, the Center is an engaging cultural attraction that connects the American Civil Rights Movement to today's Global Human Rights Movements.
- CNN Center Journey into the heart of CNN Worldwide for an exciting glimpse of news and broadcasting in action.
- The World of Coca-Cola Visit the World of Coca-Cola Atlanta and trace the history of the world's most popular soft drink.
- Georgia Aquarium The world's largest aquarium with over eight million gallons of water, right in the heart of downtown.

- Zoo Atlanta A private, nonprofit wildlife park and zoological trust.
- College Football Hall of Fame An interactive and personalized experience featuring exhibits such as The Quad, The Playing Field, The Game Day Theater and AT&T Game Time.
- The Atlanta Science Festival Explore local science and technology with 41,000 people through multiple activities, tours, presentations and performances.
- Center for Puppetry Arts A unique cultural treasure, the Center for Puppetry Arts is a magical place where children and adults are educated, enlightened, and entertained.
- The Children's Museum of Atlanta Spark imagination and inspire discovery and learning for all children through the power of play.
- Six Flags over Georgia From pulse-pounding roller coasters to gentler options for tots, Six Flags over Georgia amusement park has something for the whole family.
- Six Flags White Water With a whopping 40 rides on 40 acres of land, Six Flags White Water is the perfect place to bring the whole family and enjoy a splash.
- SkyView Atlanta Towering over 20 stories, the SkyView Ferris wheel features 42 climate-controlled gondolas providing guests with breathtaking panoramic view of downtown Atlanta and the surrounding metropolitan area.
- TopGolf Challenge friends and family at this unique golf entertainment complex.
- Atlanta History Center (Buckhead) The History Center explores Georgia's past through award-winning exhibitions. Includes the 1928 Swan House, the Turning Point Museum, the Centennial Olympic Games Museum, the Kenan Research Center, and 22 acres of historic gardens and trails.
- Fernbank Museum of Natural History (Druid Hills) A variety of hands-on exhibits about natural history including Dinosaur Plaza, NatureQuest, and A Walk Through Time in Georgia.
- Delta Flight Museum (Airport) Explore aviation history through engaging exhibits and interactive programming. Suitable for all age groups.

## **COST OF LIVING**

With a cost of living index (98.7) below the national average, metro Atlanta offers the advantages, options, and comforts residents expect in a world-class city coupled with the affordability to enjoy life to the fullest. It also enables the start-up and entrepreneurial ecosystem to continue to thrive and grow.

Cost of Living (2016 Annual Average):

**COMPOSITE INDEX: 98.7** 

Grocery Items: 103.8

• Housing: 88.5

Utilities: 103.1

Transportation: 101.7

Health Care: 107.9

Miscellaneous Goods and Services: 101.6

\*U.S. Average: 100

Source: C2ER Cost of Living Index, 2016

## **HOUSING**

**#1** Moving Destination in the nation for 7 consecutive years – Penske, 2011-2017

Atlanta was ranked #5 among the top hottest housing markets - Realtor.com, 2016

The American Planning Association recognized Midtown Atlanta as one of its top five U.S. neighborhoods on its Great Places in America list - American Planning Association, 2016

Metro Atlanta's diverse in-town neighborhoods and suburbs offer variety and character for housing choices. Housing options in Atlanta neighborhoods range from high-rise apartments and condominiums to townhouses to historic single-family homes. There are approximately 2.2 million housing units in the Atlanta market, about 528,000 of which are multifamily housing units (Sources: Esri, CoStar). Midtown Atlanta alone had at least 6,000 new housing units under development as of January 2017, many of which will be located in next genfocused, mixed-use facilities (Source: Curbed Atlanta). Approximately 38 percent of occupied housing units in Atlanta are rented, while 62 percent are owned in 2017, according to Esri. In the most recent U.S. Census (2010), nearly 90 percent of metro Atlanta's housing units were in urbanized areas or urban clusters.

In 2016, Atlanta was listed as one of the most affordable markets for a typical family to qualify for a mortgage loan for a single-family home, according to the Housing Affordability Index from the National Association of Realtors. A typical home in Atlanta's real estate market has a median value per square foot of \$100, one of the most affordable median home values in the nation for single-family homes for a city of its population size, according to Zillow.

Atlanta will see the construction of 11,797 new apartment units

in 2017, an increase of approximately 40 percent from 2016 to 2017 (Sources: Yardi Matrix, RENT Café). In-town Atlanta neighborhoods have rental prices per unit ranging from \$828/month in Oakhurst to \$1,753/month in Midtown, while the suburban counties surrounding Atlanta have rental prices per unit ranging from \$511/month to \$1,430/month, according to CoStar. Additionally, Atlanta ranks first among major U.S. cities for having the largest apartment sizes as assessed by RENT Café.

For current price ranges of homes for sale in Atlanta's in-town neighborhoods and median home values and average rent, see Appendix E and F.

Atlanta has a demonstrated track record of absorbing growth in a way that increases quality of life and amenities for citizens. Residential developers in the region are incredibly responsive to the region's ever-evolving housing needs and will quickly rise to the challenge of creating more homes for Amazon's workforce.

## **NEIGHBORHOODS**

Metro Atlanta has a variety of distinct neighborhoods that offer their own characteristics and cultural experiences. From energetic, high-rise condos in downtown Atlanta to quaint bungalows in Brookhaven, there are housing options and lifestyle amenities for all ages and interests. These unique neighborhoods form the fabric that makes Atlanta vibrant, diverse and ever-evolving. Use the ChooseATL Neighborhood Finder to explore all the possibilities.

See the "Welcome to Atlanta" book for more information about the vibrancy of Atlanta's neighborhoods.

## **SAMPLING OF NEIGHBORHOODS:**

- Downtown Atlanta is home to many exciting attractions and fun-filled destinations. In fact, many of the city's most sought after attractions are all within walking distance of each other, making downtown the center of this cosmopolitan southern city.
- Buckhead is an ultra-chic Atlanta neighborhood where you can experience award-winning restaurants, worldclass hotels and homes, and legendary shopping. The neighborhood is home to Lenox Square, Phipps Plaza and The Shops Buckhead, the upscale destinations for shoppers throughout Georgia.
- A center for commerce, business, arts, and education, Midtown is home to Georgia Institute of Technology and more than 30,000 residents. Surrounding properties allow walkable access to Piedmont Park, restaurants, and other great attractions. Also, Midtown is home to the regional offices for Google, Facebook, and many more exciting companies.
- One of the highest rated entertainment and shopping areas in Atlanta, Little Five Points is praised for its eclectic

and unique culture. The area is filled with fantastic spots to eat like The Vortex and The Porter, as well as a collection of one of a kind shopping experiences for vintage clothes, records, comics, and books. Little Five is also home to premiere spots for live music like The Variety Playhouse and Aisle 5.

- A central location, Kirkwood is just four miles from downtown Atlanta and surrounded by great boutique shopping and restaurant destinations. In the middle of what's happening, Decatur, Little Five Points, Candler Park, and East Atlanta are just a few miles away. There is a vast variety of homes from craft bungalows to Folk Victorian style houses.
- Castleberry Hill is a culturally diverse area with a strong urban community and historic identity. Many of the early 20th century warehouses have been converted to lofts, a very popular housing option. The second Friday of each month, you'll enjoy the Castleberry Hill Art Stroll, an opportunity to check out the galleries within the neighborhoods historic arts district. It is considered one of the top 10 arts districts in the country.
- A small subset community with quaint homes, Poncey-Highland offers several historic condo and apartment buildings. This is a great area for outdoor enthusiasts as it has easy access to the Atlanta BeltLine and Freedom Park Trail for biking, running, or walking around Atlanta. Enjoy neighboring amenities including the Plaza Theater, Majestic Diner, and Manuel's Tavern, or take a stroll down bustling North Highland. The new award-winning Ponce City Market breathed new life into the historic Sears, Roebuck & Co. building in Poncey Highland.
- One of the most historic areas of the city, Old Fourth Ward has recently experienced an overwhelming revitalization. A mix of modern innovation and classic community values, businesses and neighborhoods continue to bloom with many renovated properties coming on the market. Old Fourth Ward is walker friendly with great boutique shopping centers, entertainment venues, parks, and restaurants in close proximity.
- East Atlanta is a diverse, friendly area with traditional neighborhood charm. The Washington Post calls it the best kept secret in Atlanta and Creative Loafing says it's the epitome of cool and a neighborhood's neighborhood. East Atlanta Village has a number of quality shops, bars, and restaurants that can only be rivaled in Atlanta by Midtown and the Virginia-Highland neighborhoods. The area might be best known for its live music, which hosts great bands almost every night of the week.
- On the east side of Atlanta, three miles from downtown, Edgewood is the perfect spot for recent graduates and young professionals. There is a vibrant bar scene in Edgewood with local favorites including Church and Mother.

- A premier example of Atlanta's spectacularly beautiful garden suburbs, Inman Park is considered "Atlanta's first suburb." Nestled next to the Virginia Highlands and Little Five Points, Inman Park offers exceptional walkability to local restaurants and bars. Houses vary from quaint bungalows to southern-style Victorians. Enjoy quick access to The Atlanta BeltLine or many parks for a relaxing day outside.
- Virginia Highlands is in the heart of a trendy community of arts and entertainment destinations. Enjoy walkable access to a lively restaurant and bar scene, numerous parks, and historic homes.
- One of the most affluent neighborhoods in Atlanta, Druid Hills contains some of Atlanta's most historic mansions dating back to the 19th and early 20th centuries. The area is home to the Centers for Disease Control and Prevention and Emory University, which is the third largest employer in Atlanta. A small commercial strip called Emory Village was revitalized in 2011 with new sidewalks and outdoor spaces, making a nice destination for residents and students alike.
- Grant Park is a large borough with a strong neighborhood feel. The area offers many local businesses, restaurants, and nightlife options, but it's best known for the Victorian architecture of its homes. If you're looking for a festive neighborhood, Grant Park is for you, as it's also home to Zoo Atlanta, and many local farmers' markets and events.
- Brookhaven is a community with a variety of living options from old cottages, bungalows, and ranch houses to new, modern energy efficient homes. The city boasts a number of great parks like Briarwood Park or Murphey Candler Park with great outdoor facilities like athletic fields and walking trails.
- Located just east of Downtown, Cabbagetown is considered one of the artistic and cultural hubs of the city. The neighborhood attracts a diverse range of artists, musicians, indie connoisseurs, and unidentified creatives. This is one of the most walkable neighborhoods in the city with a number of trendy restaurants and taverns, including Krog Street Market and Inman Park. Cabbagetown has a rich and engaging community and many housing options from condos to single family homes.
- Located just east of Atlanta, Decatur attracts people in all stages of life thanks to its strong schools and beautiful historic homes. From the Fernbank Museum of Natural History to Eddie's attic, this neighborhood is rich in culture.

## **HEALTHCARE**

Metro Atlanta provides access to one of the most qualified, affordable and efficient healthcare systems in the country. Patients from around the world come to Atlanta for medical expertise. Metro Atlanta's healthcare community includes more than 60 hospital locations and more than 125,000 healthcare practitioners and technicians. Major healthcare providers

include: Emory Healthcare, Grady Health System, Northside Hospital, Piedmont Healthcare, Children's' Healthcare of Atlanta and WellStar Health System. Atlanta is home to two Level 1 trauma centers (Grady Memorial Hospital and Atlanta Medical Center), a pediatric trauma center (Children's Healthcare of Atlanta at Egleston), a designated burn center (Grady Memorial Hospital), a top rehabilitation hospital for spinal cord and brain injuries (Shepherd Center), as well as a comprehensive cancer center (Winship Cancer Institute at Emory University).

Atlanta's healthcare industry is supported by Emory Medical School and Morehouse School of Medicine whose faculty staff many of our leading hospitals. With the Centers for Disease Control and Prevention headquartered in Atlanta, we share our expertise across the globe. Many of our hospitals have been recently built or are undergoing major renovations as a result of our rapid population growth. For example, Children's Healthcare of Atlanta, one of the nation's top pediatric hospitals, announced plans for a new billion-dollar hospital.

### **HOSPITALITY AND HOTEL MARKET**

Atlanta ranks as a premier international hospitality and hotel market - among the top five destinations for conventions and tourism and the top ten metro areas for hotel inventories. Our region is home to more than 810 hotels with more than 95,700 rooms - a significant hotel market that can accommodate visiting Amazonians and guests. Nearly 30 percent of the region's hotel rooms are located within the city limits.

Atlanta has a proven track record of winning bids and accommodating guests for significant national and international events. The city will host the College Football Playoff National Championship in 2018, Super Bowl LIII in 2019 and NCAA Men's Final Four in 2020. 2017 should be a record-breaking year as Atlanta hosts 18 major citywide conventions. In 2016, the city hosted 52 million visitors for approximately 700 conventions, meetings and events. These visitors contributed more than \$15 billion to the city's economy. Hotel occupancy rates were at an all-time high at 73 percent, and revenue growth increased by 8 percent. Also in 2016, approximately 1.7 million hotel room nights were booked for future years. By 2020, \$3 billion in new hospitality development is expected to open. (Source: Atlanta Convention & Visitors Bureau, 2017)

Atlanta's flexible event spaces are perfect for meetings and conferences of any size. The region's venues have a combined capacity of over 2 million square feet, suitable for anything from a frugal gathering to the most high-end event. The Georgia World Congress Center offers 1.37 million square feet of space for exhibits and meetings. Several of the region's largest annual conventions and events include the AmericasMart Atlanta International Gift and Home Furnishings Market, SEC Football Championship, Chick-fil-A Peach Bowl and Dragon Con.

	Atlanta MSA	Seattle MSA	
Visitors	52 Million	38.9 Million**	
Hotel Rooms	95,700	36,739*	
Occupancy	73%	82.7%	

\*King County

\*\*Downtown Seattle

Source: Atlanta Conventions & Visitors Bureau, Annual Report, 2016; Visit Seattle Annual Report, 2017-18 (2016 data)

#### **PUBLIC SAFETY**

Like all cities, public safety is important to Atlanta. A unified commitment from local law enforcement, corporate partners and major contributors has been established to ensure that residents and businesses feel safe in our region. Using the latest cutting-edge technology, law enforcement has achieved a reduction in overall crime across the city. Officials are also dedicated to equity in and engagement with the communities they serve.

The At-Promise Youth & Community Center recently opened its doors. This center is a state-of-the-art learning and community facility. It's dedicated to creating pathways to success for youth in Atlanta and reducing the number of young people negatively experiencing the criminal justice system. It will focus on five key specialty areas: education, recreation, social and emotional learning, mental health, and workforce development.

Overall crime, including property and violent crimes, has been steadily decreasing in Atlanta over time, both per capita and total. Since 2009, overall crime counts in the city of Atlanta have decreased 30 percent. The decline in crime includes a sharp reduction from 2009 to 2016 in burglaries (down 48 percent), robberies (down 28 percent), and aggravated assaults (down 18 percent). These decreases have occurred during a period of rapid population growth in Atlanta. (Sources: Atlanta Police Department, FBI Uniform Crime Reports)

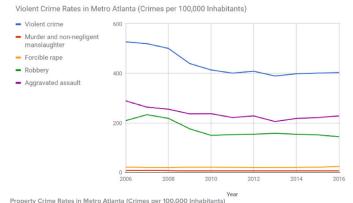
Atlanta Police Chief Erika Shields' priorities are to reduce violent crime, focus on repeat offenders, curb juvenile crime and improve technology, recruitment and retention of officers. This year, the Atlanta Police Foundation, a public-private partnership of law enforcement and community stakeholders, raised \$20 million from corporate partners and others for its "Cutting Edge, Cutting Crime" campaign. The funds will further efforts by the Atlanta Police Department to implement more security cameras, expand technology infrastructure, support the At-Promise Youth Center on the Westside, a residential community for new recruits, and housing for several police officers in the communities of Vine City and English Avenue.

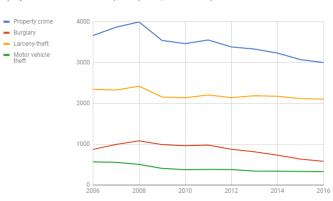
Crimes per 100,000 Inhabitants in 2016									
Region	Violent crime total	Murder & non- negligent manslaughter	Forcible rape	Robbery	Aggravated assault	Property crime total	Burglary	Larceny- theft	Motor vehicle theft
City of Atlanta	1,084	23	29	438	593	5,249	933	3,470	845
Metro Atlanta	403	7	24	144	228	2,998	576	2,101	321

Source: FBI Uniform Crime Reports (UCR)









Year

#### **ADDITIONAL ITEMS**

PLEASE USE YOUR RESPONSE AS AN OPPORTUNITY TO PRESENT ANY
ADDITIONAL ITEMS AND INTANGIBLE CONSIDERATIONS WITH RESPECT
TO YOUR STATE/PROVINCE AND COMMUNITY THAT AMAZON SHOULD
INCLUDE IN ITS ANALYSIS.



# **WORKING BACKWARD**

#### **WORKING BACKWARD PRESS RELEASE**

## AMAZON TRANSFORMS HIGHER EDUCATION WITH AN EYE TOWARD TURNING STUDENTS INTO BUILDERS, INVENTORS AND PIONEERS

Launch of "Day One Cohort" commemorates company's 30<sup>th</sup> anniversary and 5<sup>th</sup> year in Amazon's Atlanta HQ2

Amazon Academy continues commitment to deliver quality, affordable and accessible STEM education at scale

ATLANTA – (July 5, 2024) – Today, in partnership with the most prominent higher education institutions in Georgia, Amazon (NASDAQ: AMZN) launched the "Day One Cohort," the second phase of the Amazon Academy. The one-of-a-kind approach penned by Amazon Founder and CEO Jeff Bezos, in collaboration with leaders from colleges and universities across Georgia, is rolling out on Amazon's 30<sup>th</sup> anniversary. The timing also marks five years after the opening of Amazon's Atlanta HQ2.

Bezos, known for his intellectual pursuit, has created this new approach that focuses on grooming technology talent into the next builders, inventors and pioneers. Prior to graduating, "Day One Cohort" students will be required to take new courses focused on Amazon's 14 principles like "Are Right, A Lot 101" and "Bias for Action 101." Students will also be partnered with a personal board of directors from Amazon's HQ2, building on the company's efforts to hire and develop the best.

Bezos noted, "We want the next generation to be the boldest innovators yet. Just as we've engineered an entirely new way of doing business, Amazon and Georgia are continuing to build a customer-focused, high-tech Academy that will leave students with an ingrained 'Day One' mentality, weave them into Amazon's career mapping process and accelerate innovation at Amazon, in Georgia and ultimately, around the world."

The Amazon Academy combines the resources from Georgia's top university system and technical college system institutions with apprenticeship-style training and the most current scholarly instruction in predictive analytics, computer science, engineering, digital media, industrial design and more. Since its inception, the Amazon Academy has become a world-renowned model for developing continued education opportunities for tech talent. It delivers high quality, affordable and accessible continued learning opportunities to a diverse population of students and professionals at scale.

Today's announcement is the latest in a series of new Amazon inventions that have sprouted from its Atlanta HQ2. Earlier this year, the company launched the Atlanta "A to Z Experience" in partnership with Atlanta Public Schools to inspire youth to pursue an education in STEM fields. Amazon Prime Instant Video also expanded its Atlanta studio, cementing Atlanta as the new mecca for entertainment. Additionally, the company made a 10-year commitment to drive sustainability across metro Atlanta and expanded its quirky Atlanta Community Banana Stands, which provide healthy snacks in more than 20 metro Atlanta locations.

In 2018, Amazon chose Atlanta for its HQ2 because no other location in the world has metro Atlanta's combination of tech talent, creative culture, quality of life, airport access and strong business climate.

To learn more, see Working Backward in Additional Items and information on the Amazon Academy in Incentives.

Following are a few thought-starters from Georgia Tech to help make the working backwards press release a reality.

Georgia Tech has been exploring the Next in Education with a Commission that will soon issue a final report. This visionary effort seeks to invent the University of the Future, but particularly the Science and Engineering Centric Research University of the Future.

The commission anticipates a near-future world of higher education in which shifting demographics, reform in K-12 education, learners who by choice follow multiple career paths over their lifetime and workplaces where the churn of knowledge must be continually renewed. This is not the traditional world of undergraduate education that caters to 18-24 year olds who graduate college with a degree certifying they have acquired skills to carry them through their working lifetimes. The universities that will lead in this world will provide episodic, agile and intense engagements that begin before high school and continue throughout a lifetime. This means new products, experiences and technologies.

This is Georgia Tech's "Lifetime Vision" – long-term and personalized investment in the success of students and citizens of Georgia, the nation and the world.

Following are a few bold ideas that will launch this vision:

#### DATA AND AI FOR ADVISING FOR THE NEW ERA:

In this new and complex world of educational pathways, learners of all ages will need a reinvention of what advising means. In Georgia Tech's Lifetime Vision, this reinvention involves increasingly sophisticated use of very large educational data sets, predictive analytics and Al to provide personalized guides, Sherpas, a personal Board of Directors, advisors, counselors and mentors who associate with Georgia Tech. Georgia Tech and Georgia State are internationally known for their work in this area that demonstrates the value of this kind of data/Al informed advising.

## BLOCKCHAIN-BASED MARKET FOR EDUCATIONAL CREDENTIALS AND ACHIEVEMENT:

The traditional college transcript has limited value in this new world. Learners will combine degrees, certificates, portfolios and networks of collaborators in complex ways. This evidence of what an individual knows and has accomplished needs to be shared beyond confines of a college registrar and assigned value by employers in a way that traditional third-parties like accreditors cannot. Technologies like blockchain offer the hope of decentralized, open, market-based transcripting that will allow, for example, students to sign emails with e-credentials that are better representations of what they know and have accomplished. Georgia Tech is in the process of assembling a multi-institution demonstration of how such a market place might quickly emerge.

#### **DISTRIBUTED PRESENCE:**

Learners of all ages seek out and value personal engagement. This engagement has always been the purpose of the physical college campus, but, increasingly, Georgia Tech learners do not have access to a vertically integrated, facilities-based version of the Atlanta campus.

No longer tied to buildings filled with books, university libraries are being deployed as services. No longer tied to classrooms, students consume course content online, replacing lecture halls with blended networks of learners who, by interacting with instructors and each other, construct unique learning experiences. Virtual and augmented reality provide cost-effective immersion in sophisticated laboratories. Advising is augmented by data intensive Al. But face-to-face meeting in a convenient location still has great value for the educational experience and is a useful way to identify new educational products and offerings. These and many other services can be delivered, not by facilities-intensive campuses housing large numbers of professors, but by technology-enabled specialists in lightweight distributed store fronts that serve as hands-on portals into the Georgia Tech educational experience.

Georgia Tech estimates, for example, that 70 percent of the online master's students and many others in the future can be served by ten such "pop-up" experience centers at a tiny fraction of the cost of more campus-like facilities. Georgia Tech is planning to pilot such a retail presence in collaboration with design partners soon.

#### **MORE ON GEORGIA TECH:**

From its inception in 1888, Georgia Tech was a "campus of tomorrow today" through its shops and foundries, inventing a new approach to engineering education. Georgia Tech lives its vision of defining the technological university of the 21st century:

- A campus-wide institute focused on people and technology (IPaT).
- A campus-wide focus on the 21st century university (C21U).
- Leading online Master of Science degrees in Computer Science and Data Analytics with nearly 7,000 students enrolled, which could scale by several orders of magnitude.
- The development of the first "Virtual Teaching Assistant," Jill Watson, which has been incorporated into a number of Georgia Tech's regular classes.
- Campus living laboratories like the Aware Home, the first 24x7 experiment in living in a ubiquitous computing environment.
- Globally leading initiatives like the maker movement, CREATE-X, the InVenture Prize.

20+ years of leading edge STEM programs in K-12 schools across the state that can collaborate with and complement Amazon's STEM camps and Girls Who Code initiatives.

Leading faculty made up of thought leaders who, over the past 20 years, have significantly led pathfinding work in virtual reality, online presence and gaming, psychology of learning and of work, including:

- Thad Starnes, longest serving technical/lead manager on Google Glass.
- Blair McIntyre, Aware Browser, integrating virtual reality with the real world.
- Ian Bogost, gaming.
- Janet Murray, author of Hamlet on the Holodeck, seminal work about future technology and literature.

One of the most innovative entrepreneurial approaches in the U.S. that builds on:

- The nation's first university-led business incubator, the Advanced Technology Development Center.
- VentureLab program to help faculty and students create start-ups.
- Partnerships with more than 20 Fortune 500 Companies to create a vibrant innovation ecosystem (Technology Square) that is growing rapidly and attracting the world headquarters from a multitude of companies from around the country and world.
- A campus networking infrastructure that, via its affiliated company, Southern Light Rail, provides internet connectivity to universities across the Southeast.
- Leadership of the world-wide smart city movement using the Georgia Tech campus as a testbed.
- Development, expertise and collaboration in the Health IT and FinTech industries.
- Alma mater to 14 US astronauts.

In addition, Georgia Tech currently has several forward-looking initiatives with Amazon, including:

- The Amazon Retail Store in Technology Square that recently became second highest grossing University Store in the country.
- The installation of the Amazon "Firestick" in one of its residence Halls to incorporate Amazon's Alexa in conjunction with Echo Dot to access campus services, tutorial programs and virtual study groups through the interactive voice system.

The services at Georgia Tech available via the Amazon "Firestick" include paying bills, checking calendar, seeking information on campus activities and more.

# **AMAZON LOVE**

Like the rest of the world, Atlantans have been inspired by Amazon's obsession with customers and its commitment to "Day One" – always inventing, always experimenting, always planting. The residents here are early adopters who embrace Amazon's innovations and admire its commitment to our communities and its impact on our region's economy. Metro Atlanta is proud to be home to Amazon employees, partners, investors and shareholders alike.

Simply put, we have a long history of Amazon love. From fulfillment centers across our region to 3,000 Georgia-based employees and nearly 200 Georgia Tech alumni who proudly walk Amazon's Seattle campus today, our connection is deep and meaningful. Following are a few additional examples:

- In 2005, Atlanta-based MFG.com, the world's largest online manufacturing marketplace, raised \$4.22 million of Series A funding from Bezos Expeditions. MFG.com is headquartered in Marietta, Georgia.
- In 2007, MFG.com raised \$3.99 million of Series C funding from lead investor Bezos Expeditions. Explore Holdings and European Founders Fund also participated in the round.
- In 2008, Amazon acquired Atlanta's Fabric.com, the world's leading online fabric store. They are currently located in Kennesaw, Georgia, just 28 miles outside of Atlanta.
- In 2015, Amazon Home Services expanded its services to major cities including Atlanta, bringing custom and pre-packaged services to customers.
- In 2016, Atlanta's Luma, whose co-founder and chairman is Paul Judge, raised \$12.5 million of Series A venture funding led by Accel Partners and Amazon Alexa Fund, as well as other investors. Luma is the world's fastest and most reliable home WiFi system that only takes minutes to set up. Luma Surround WiFi can be voice controlled by Amazon Alexa.
- In 2016, Amazon's A9.com acquired Atlanta-based visual search startup Partpic and opened an Atlanta office earlier this year. The Atlanta A9 team continues its focus on visual search applications and technologies. Jewel Burks, Amazon's team lead for visual search, calls Atlanta home.
- In 2016, Amazon became an equity holder in Atlanta's cybersecurity startup Ionic Security, joining a \$45 million combined investment from Amazon, Goldman Sachs, and hedge fund Hayman Capital. Amazon Web Services also struck a partnership with Ionic on top of the funding deal, integrating its offerings with the company's cloud infrastructure.
- In 2016, Atlanta-based Funding University, a provider of student lending for career-driven undergraduates, raised \$1.01 million of seed funding from Bezos Expeditions.
- In 2016, Amazon@GeorgiaTech opened for package pickup in Atlanta's Tech Square, providing a safe and secure location for Amazon customers to receive packages at their convenience.

- In 2016, Georgia Tech and Amazon joined forces to help shape and develop the Institute's Stewart School of Industrial & Systems Engineering (ISyE) master's degree in supply chain engineering. By developing fulfillment systems analysis and design curriculum, Amazon and Georgia Tech are attracting and recruiting minorities to this field.
- As of Q4 2016, Georgia has three Amazon Prime Now hubs and three Amazon fulfillment centers.
- Over the years, NCR, Carter's, UPS, WestRock, Veritiv, and Delta Cargo have been counted among Atlanta-based companies that are also Amazon suppliers. In addition, Amazon works closely with companies that have an Atlanta presence and are leaders in the material handling industry, including Dematic, Intelligrated, Knapp, and Interroll.

# INNOVATION AND ENTREPRENEURSHIP

#### THE POWER OF INVENTION

Atlanta knows how to invent. Metro Atlanta put the chicken sandwich on the map (Chick-fil-A) along with the world's most popular beverage (Coca-Cola) to wash it down. The Waffle House was born here, too, and continues to help FEMA gauge disaster recovery. And one of the metro area's own took grilling to a whole new level when the Big Green Egg emerged on the outdoor cooking scene. But Atlantans don't just excel in food and beverage. The innovative minds in the region and across the state were also the first to give women the opportunity to obtain degrees (Wesleyan College in Macon) and the first to give women full property rights. And Atlanta invented the 24-hour news cycle when Ted Turner launched CNN and changed the way the world received information forever.

This curious and inventive spirit continues to permeate our state and especially the metro region. Over recent years, Porsche and Mercedes-Benz have relocated their North American headquarters to Atlanta as they innovate the automotive industry. And over the last decade metro Atlanta has evolved from its traditional retail, industrial and real estate roots and reinvented itself as a digital hub.

This thriving innovation and entrepreneurial ecosystem is continuing to drive this transformation. Recent locations and expansions from companies like GE, Honeywell, NCR, First Data, VMware, and Anthem have solidified the metro's position as a digital leader as these corporate powerhouses locate their newest, most technologically advanced business units in Atlanta.

Successes like Internet Security Systems have helped create a fertile environment for new company formation and growth in the cybersecurity space. AirWatch, OneTrust, and Pindrop are some of the Atlanta companies that have developed innovation solutions to protect enterprises against cybercrime. Atlanta has also made a name for itself in the marketing technology industry, where companies like Silverpop, MailChimp and Pardot got their start. And the entrepreneurial minds behind these successes are giving back by establishing hubs like Atlanta Tech Village (the nation's 4th largest tech hub) and TechSquare Labs for founders to connect with talent, capital and expertise.

#### **DEALS HAPPEN HERE**

Metro Atlanta's innovation ecosystem has been driving a strong culture of private investments and multi-million dollar deals for the last decade. In the past 10 years, Georgia companies raised \$6.4 billion of venture capital, attracted \$128.7 billion of private equity, and M&A deals were valued at \$251 billion. The region has also been edging out and closing the gap among the nation's innovation regions. In fact, Atlanta outpaced Austin, San Diego, the Research Triangle and Denver-Boulder in attracting private investment dollars and total number of mergers and acquisition (M&A) deals in recent years. Venture Atlanta, the region's largest venture conference, connect startups with the resources, network, clients, partnerships, and talent they need to grow.

#### **CORPORATE INNOVATION**

In addition to building some of the world's most recognizable brands, metro Atlanta's corporate giants, like Delta Air Lines, Coca-Cola, UPS, The Home Depot, GE, Honeywell, AT&T, Cox Enterprises, and others, have completely plugged into our region's startup ecosystem. These companies are working with other large companies and universities (especially Georgia Tech) as well as startups and public and private sector firms to fuel innovation, develop new technologies and spur job growth in several ways: establishing corporate innovation centers adjacent to university campuses/talent (Georgia Tech's Tech Square), investing in and mentoring new companies, and through initiatives like Engage Venture, The Bridge, Boomtown/ The Farm, Techstars and more.

Corporate Innovation Centers					
Anthem Innovation Studio	AT&T Drive Studio				
AT&T Foundry	Boeing Manufacturing Development Center				
Carter's Innovation Center	Chick-fil-A Innovation Centers				
Coca-Cola One Services North America (CONA) Development & Innovation Lab	Concurrent Innovation Center				
Deloitte iLab	Delta Air Lines "Hangar" Innovation Center				
Elavon Mobile Innovation Center, AKA "The Grove"	Emerson "Helix" Innovation Center				
Envistacom Engineering and Innovation Center	First Data Learning & Innovation Center				
GE Smart Grid Technology Center of Excellence	General Motors IT Innovation Center				
Georgia-Pacific Innovation Institute	Home Depot Technology Center				
Honeywell Industrial Cyber Security Lab	Honeywell Data Center (coming soon)				
Keysight Technologies Software Design Center	KPMG Ignition Center				
Microsoft Innovation Center	NCR Hosted Solutions Lab				
NCR Innovation Lab (2018-2019)	Novelis Global Research & Technology Center				
Panasonic Innovation Center	PGi Innovation Lab				
PolyOne Innovation Centers	Siemens Data Analytics and Applications Center				
Shaw Industries Create Center	Southern Company Energy Innovation Center				
Stanley Black & Decker Digital Accelerator	SunTrust Innovation Branch				
thyssenkrupp Elevator Americas Research Innovation Center	UCB Solution Accelerator				
WorldPay Innovation Center					

In addition to the corporate innovation centers, initiatives are in place to help young B2B firms gain access to the right customers, thereby sparking continued growth. One such initiative, Engage Ventures, launched earlier this year with 10 major corporations backing the effort. In the first cohort, eight companies will begin the program, which serves to connect the largest group of corporate players in one independent fund. Based at the Advanced Technology Development Center (ATDC) at Georgia Tech (one of the longest-serving incubator in the country at 37 years), Engage was launched in partnership with the City of Atlanta, the Atlanta Committee for Progress, and Tech Square Ventures. Its corporate backers each gave \$1.5 million towards the total \$15 million fund (AT&T, Chick-fil-A, Cox Enterprises, Delta Air Lines, Georgia-Pacific, Georgia Power Foundation Inc., Intercontinental Exchange (ICE), Invesco Ltd., The Home Depot and UPS). Additionally, these companies are offering mentoring and direct access to decision-makers in each company.

#### **GEORGIA CENTERS OF INNOVATION**

Exclusive to Georgia, the Centers of Innovation provide over 1,500 businesses each year the technical industry expertise, collaborative research, and partnerships to help the State's strategic industries connect, compete and grow globally. The Centers of Innovation provide valued-added services that assist companies in Georgia's key industries to develop new products, services and markets through partnerships with state, federal and private institutions that comprise Georgia's Innovation Ecosystem. This ecosystem contains a large and diverse array of participants and resources, including the state's universities and technical colleges, which contribute to and are necessary for ongoing innovation in the state's modern economy.

#### SUPPORT FOR ENTREPRENEURS

Entrepreneurial innovation is driven by unrestricted collaboration and inventive problem-solving. Atlanta offers multiple incubators and accelerators that support the work of startups and scale-ups around the region. Additionally, entrepreneurial workspaces throughout metro Atlanta are helping to build the environment that inspires entrepreneurs to create, transform and shake up the marketplace.

For a sampling of Atlanta's accelerators, incubators and workspaces, see Appendix G.

Our region's entrepreneurs are driving science and technology with the help of the Georgia Research Alliance, which expands university research capacity by seeding and shaping startup companies. Through the Eminent Scholars program, the Georgia Research Alliance partners with Georgia's research universities and private donors who create permanent endowments for every scholar.

#### **RECENT RANKINGS**

- #2 next big tech hub that is still affordable
- Realtor.com, 2017
- #2 metro for quality of engineering universities
- WalletHub, 2017
- #3 city for minority entrepreneurs
- Expert Market, 2017
- #3 city poised to become tomorrow's tech mecca
- Forbes, 2017

# CONNECTIVITY

The following maps represent cellular phone coverage from AT&T, T-Mobile, Sprint and Verizon Wireless, the four largest wireless providers in the Atlanta region.

### AT&T COVERAGE IN GEORGIA





### **VERIZON COVERAGE IN GEORGIA**



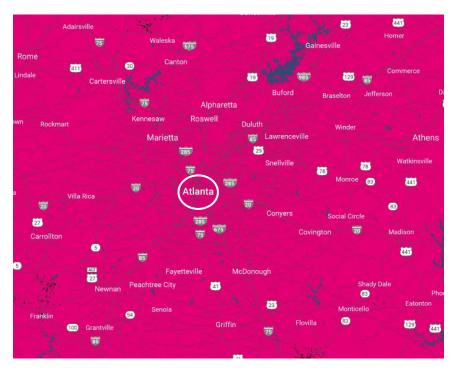


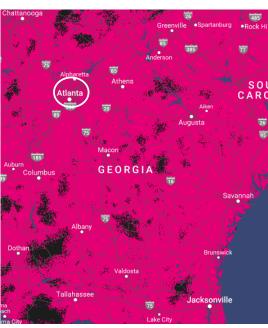
## **SPRINT COVERAGE IN GEORGIA**





### T-MOBILE COVERAGE IN GEORGIA





# SUSTAINABLITY

#### AT A GLANCE

- This year, the Atlanta City Council approved a resolution directing the Atlanta Office of Sustainability to develop a plan by January 2018 to meet a 100 percent renewable energy goal across all city operations by 2025 and community-wide by 2035.
- In 2015, the City of Atlanta adopted the Commercial Buildings Energy Efficiency Ordinance, which aims to see a 50 percent reduction in CO2 emissions from commercial buildings by the year 2030.
- Water conservation is a priority in sustainability efforts for metro Atlanta—water use has
  dropped by more than 10 percent during a time when more than one million people were
  added to the region's population.
- Atlanta is home to Mercedes-Benz Stadium, the newest NFL and MLS stadium in the country and the first to be certified LEED Platinum.

#### **SUSTAINABLE GROWTH**

Atlanta-based companies have worked with industry and community leaders to grow a city while developing sustainable practices, with the goal of making Atlanta one of the greenest cities in the country. The city of Atlanta, alone, has more than 111 million square feet within more than 600 buildings participating in the "Atlanta Better Building Challenge" (ABBC). ABBC is the most successful program in the Department of Energy's Better Building Challenge.

Three of the four largest commercial real estate transactions in Atlanta last year took place in LEED-certified buildings, including almost 295,000 square feet of LEED Gold-certified space housing the Georgia Department of Transportation.

Atlanta is also a regular on CBRE's Green Building Adoption Index study, consistently ranking in the top five over recent years. And as of 2016, more than half of the commercial space in the metro area holds an Energy Star label or LEED Certification. With almost 25 percent of buildings displaying the Energy Star label, Atlanta has the second highest market total for Energy Star buildings and nearly double the national average, trailing only Manhattan in ranking (CBRE, 2017).

This year, the Atlanta City Council unanimously approved a measure that establishes a community-wide goal of transitioning to 100 percent renewable energy by 2035. The resolution also directs the Atlanta Office of Sustainability to develop a plan by January 2018 to meet the 100 percent renewable energy goal across all city operations by 2025 and community-wide by 2035.

In 2015, the city adopted the Commercial Buildings Energy Efficiency Ordinance, which aims to see a 50 percent reduction in CO2 emissions from commercial buildings by the year 2030.

"Atlanta is honored ... to be recognized as a leader for showing the way forward for a more sustainable future," Mayor Kasim Reed said in a statement. "We are fully committed to working with local business leaders to reduce our carbon footprint to spend less on energy and to push toward a stronger local economy and healthier community for all of us."

Also, part of the Better Building Challenge, the City of Atlanta pledged to cut energy and water consumption by 20 percent by 2020 (Source: "Atlanta ranks third in the nation for environmentally friendly, 'green' offices," Atlanta Journal-Constitution, July 10, 2017).

The city is also on track to become a Smart City by focusing on five core pillars of multi-modal transport: public safety, environmental sustainability, city operational efficiency, citizen engagement, and business engagement. In the heart of Midtown Atlanta, North Avenue has been selected as Atlanta's first Smart Zone. The project will bring smart vehicle mobility, smart pedestrian mobility, V21 autonomous vehicle pilot, smart vehicle crash predictions, smart street lights, smart environmental sensor array, and smart water to the people and businesses in the area. As part of the Smart Zone project, Atlanta became one of the largest urban areas in the world to test autonomous vehicles.

Atlanta's Smart Cities commitment goes from roadways to waterways. The city's plan for sustainability is designed to reduce the volume of waste to be landfilled, improve resource recovery through recycling and production of a degradable or combustible residue, and stabilize all waste residuals that end up in landfills.

And as one of our nation's major technology hubs, Atlanta is the first city to partner with Atlanta-based technology company, Rubicon Global, to use their app to improve how the city picks up the local garbage by tracking routes and schedules. (Source: SmartATL, 2017)

#### LANDMARK SUSTAINABILITY

Atlanta is home to Mercedes-Benz Stadium, the newest NFL and MLS stadium in the country and the first to be certified LEED Platinum. The sustainability initiatives within the stadium are as impressive as the players who take the field for the Atlanta Falcons and Atlanta United. Working with local businesses and organizations, the stadium incorporated inventive solutions for sustainability, including:

- 680,000-gallon cistern for water recapture and reuse
- | 1.1 million-gallon storm water vault
- 48 electric cars charging stations
- 4,000 solar panels, generating 1.6 million kW hours per year
- Edible landscaping
- Public transit, pedestrian paths and a bicycle network

The stadium will save almost 30 percent in energy usage and use almost 50 percent less water.

Flying into Atlanta, visitors participate in the region's sustainability efforts without even knowing it. Hartsfield-Jackson Atlanta International Airport is the world's most-traveled airport and is working to become zero-waste by the year 2030.

The more than one million visitors who come to Atlanta for a conference or event at the Georgia World Congress Center annually are walking the halls of the largest LEED certified convention center in the world.

Atlanta is also home to innovative leaders in sustainability, committed to having a positive impact on both the global marketplace and local community. Companies like Southern Company, TOTO USA, WestRock, and UPS are becoming known for integrating sustainability into their business models, and Atlanta-based Southface Energy Institute promotes sustainable workplaces, homes, and communities through education, research, advocacy, and technical assistance.

#### RIDING CIRCLES AROUND SUSTAINABILITY

Amid Atlanta's treetops and skyscrapers, visitors and residents explore the city on the Atlanta BeltLine. It is the brainchild of Ryan Gravel who, while at Georgia Tech for grad school in 1999, looked at the city's historic railroad corridors and saw an opportunity to create a sustainable redevelopment project that would transform the region.

The Atlanta BeltLine is the most comprehensive transportation

and economic development effort ever undertaken in the City of Atlanta and among the largest, most wide-ranging urban redevelopment programs currently underway in the U.S. This 22-mile transit greenway circles the city and will connect people and places along its path using light-rail transit, parks and trails. To date, 11 miles of trail have been developed and are open to the public. The BeltLine protects not just our environment, but also our quality of life by supporting affordable housing, economic development, job creation, public health, streetscapes, public art, environmental clean-up and historic preservation – all with an eye towards sustainability.

With a plan in place to guide the implementation of the BeltLine project through 2030, sustainability remains the foundation for each step toward completion. Some highlights include:

- Redevelopment of 1,100 acres of brownfields
- Preservation of water resources
- Organic land care that eliminates irrigation and pesticides.
- Energy neutrality that includes solar panels and LED lights
- Green materials design and construction

Atlanta BeltLine Accolades:

- Institute for Sustainable Infrastructure (2016), Envision Gold Award for Historic Fourth Ward Park
- InterBike's Places for Bikes Award (2015), Atlanta BeltLine
- Phoenix Award for Excellence in Brownfield Development (2015), Eastside Trail/Historic Fourth Ward Park
- Brownfield Renewal (2014), Sustainability category for Historic Fourth Ward Park
- EPA's Overall Excellence Award for Smart Growth Achievement (2013), Eastside Trail & Historic Fourth Ward Park

Source: Atlanta BeltLine, 2017

In addition to expansions of the existing network of paths and bike lanes, Atlanta also offers a bike share system to help people get from place to place. To make sure that cycling in Atlanta is a smooth ride, the City of Atlanta hired its first Chief Bicycle Officer (CBO), who oversees a wide range of activities related to bicycle transportation, including new projects and upkeep of existing ones. Source: City of Atlanta, 2017

#### THE ACADEMICS OF SUSTAINABILITY

The Georgia Institute of Technology not only produces worldchanging students like Ryan Gravel, but it also develops leading sustainability solutions in everything from academics to research and operations.

In fact, Georgia Tech wrote the book – literally – on sustainable

building practices. The "Georgia Tech Yellow Book" was created to help architects and engineers meet the Institute's strict sustainability criteria for building on campus, which includes LEED Gold standards. The university has also incorporated more than 4,000 solar panels on buildings across the urban campus and continues to rack up recognition for its achievements in sustainability:

- Climate Action Plan for carbon neutrality in 2050
- 43 percent of commuters to campus use modes other than driving alone
- 400 acres with 11,900 trees earned the school Level II Accreditation by the ArbNet Arboretum Accreditation Program and the Morton Arboretum
- 40 percent of their produce originates from Georgia or a bordering state
- 28 cisterns to store and manage storm water runoff for reuse

#### GOING WITH THE FLOW FOR WATER CONSERVATION

No region in the world has taken more aggressive steps towards water conservation than metro Atlanta. Since 2001, water use in the region has dropped by more than 10 percent as more than one million people were added to the population.

The Metro North Georgia Water Planning District (MNGWPD) implemented one of the most comprehensive regional water management plans in the country, making sure that the region's water supply is secure and reliable for the next 50 years. The plan includes incentive pricing for consumers, modernization of the infrastructure and more effective watershed protection. Gwinnett County has also invested more than \$1 billion in water treatment facilities, which supports the cleaning and return of water to Lake Lanier. Every day, more than 33 million gallons of water return to the lake, cleaner than before they were withdrawn.

#### **POWERFUL PARTNERS IN SUSTAINABILITY**

Atlanta's utilities lead the way when it comes to sustainability. Georgia Power and its Fortune 500 parent company, Southern Company, are leaders in renewable energy. With nearly 1,500 megawatts (MW)\* of renewable capacity online, Georgia Power continues to grow the largest voluntary renewable portfolio in the nation. Through continued expansion of solar resources at Georgia military bases and the implementation of new solar projects and programs, more than 1,600 MW\* of additional renewable capacity will be added by 2021.

Georgia Power helps customers connect to renewable energy resources that are good for them and good for the environment. Options for large energy users include:

- Commercial & Industrial (C&I) REDI Program: designed for qualified existing commercial or industrial customers with renewable energy goals and a need for renewable energy credits (RECs). Georgia Power will buy up to 200 MW of renewable resources on behalf of program participants, providing participants with a fuel credit based on the renewable energy production.
- Simple Solar Program: available to all customer classes, this program allows participants to support solar generation and buy solar renewable energy credits to offset all or a portion of their energy usage for an additional 1 cent per kilowatt-hour (kWh) and as low as .5 cents per kWh.

Atlanta's industries contribute to the region's overall leadership in renewable energy by installing renewable generation at their facilities. Georgia Power works with these customers to buy 100 percent of the energy produced or to offset energy purchases.

Georgia Power is also involved in industry-wide water conservation efforts. The company, along with the Electric Power Research Institute jointly opened a Water Research Center at Georgia Power's Plant Bowen, just north of Atlanta. The center focuses on water-dependent technologies associated with power generation and how to better preserve water resources.

Together, Georgia Power and Southern Company are building the future of energy through investment in new ideas and technologies related to advanced renewables and energy innovation. In the past decade, they've invested more than \$800 million in R&D. As the only utility with a proprietary R&D function, some results of their investment include:

- National Carbon Capture Center, the nation's only facility for testing technologies to reduce greenhouse gas emissions
- Mercury Research Center, the nation's first center focused on ways to reduce mercury emissions
- Collaboration with Applied Plasma Arc Technologies to evaluate a waste to energy plasma arc solution

Southern Company's Energy Innovation Center at Georgia Tech is another industry-leading facility where companies and inventors work together to provide renewable and efficient business solutions around energy and help commercialize products. They work on next-generation products and services in electric transportation, home automation, energy efficiency, renewables, indoor agriculture, and biopharma.

\* REC Disclaimer: Every megawatt hour of electricity produced by an eligible solar generation resource creates a Renewable Energy Credit (REC). Georgia Power purchases only the null energy output from some renewable generating facilities that have contracted to sell that energy to Georgia Power. Ownership of the associated RECs is specified in each respective power purchase agreement. The party that owns the RECs retains the right to use them.

## **CREATIVE CULTURE**

#### AT A GLANCE

- Georgia has been named the #1 feature film production location in the world.
- Atlanta has been named the "hip-hop center of the universe" with countless Atlanta-based artists known around the world for their influence on this music genre and pop culture.
- Atlanta is home of Dragon Con and proudly welcomes the quirky and peculiar fandom embodied by the thousands who attend the annual event.

From grassroots to global influence, Atlanta is a provenance for creative and cultural pioneers. The region is home to a campus of the Savannah College of Art and Design (SCAD), which offers more degree programs and specializations than any other art and design university, and the Woodruff Arts Center, the third largest arts organization in the US, behind only Lincoln Center and The Kennedy Center. At the same time, Atlanta has been named the "hip-hop center of the universe" and plays host to the outrageous world of Dragon Con. When it comes to culture, Atlanta is on the cutting-edge with creatives who are reimagining industries and transforming entertainment in the U.S. and around the world.

#### **FILM AND TELEVISION**

Georgia has been named the #1 location for highest performing U.S. feature films, according to the 2016 Feature Film Study by Film L.A. Inc. The state has surpassed industry powerhouses, California and New York, and is ahead of Canada and the UK. The film industry is a vital economic driver in Georgia, and from "The Walking Dead" to "Spider-Man: Homecoming," Georgia has served as the backdrop for major television and film for decades.

There are nearly 2,790 motion picture and television industry businesses in Georgia, including 1,962 production-related companies. That's why big names like Will Packer and Tyler Perry choose Georgia for their filming locations. Literally hundreds of new companies have located or expanded in Georgia since 2010 to support the burgeoning industry, including numerous soundstages. The film industry not only creates jobs and investment in Georgia, but it has created a thriving film tourism industry that draws fans who want an up close look at where their favorite films or television shows have been shot.

No state has seen the kind of investment that Georgia has seen in this industry, and these facilities enable many thousands of jobs in the state each year. Pinewood Atlanta, now home of the Marvel films, is the largest U.S. soundstage complex outside of California, consisting of 18 soundstages plus one built for rental to the Georgia Film Academy. As a direct result of the growth, Atlanta has become known for having some of the best crew talent in the industry, and an increasing number of creative talent have decided to call Atlanta home.

#### **MUSIC**

We're proud to remind the world that Atlanta is the "hip-hop center of the universe," home to rap and R&B legends like

Outkast, T.I., Usher, Ludacris and Jermaine Dupree, while also cultivating the next generation of hip-hop and alternative soul artists including Childish Gambino, Migos, Janelle Monae, 2-Chainz and D.R.A.M. In 2017, Billboard named Atlanta-based creative agency and recording label LVRN (whose name is short for Love Renaissance) as the #1 Tastemakers for the next generation of hip-hop. Through the AC3 (All 3 Coasts) Festival & Conference, Atlanta helps to engage and inspire artists, entrepreneurs and creatives that shape hip-hop culture. As hip-hop became the most consumed music genre in streaming around the world in 2017, the future of music clearly rests in Atlanta's hands. It's no wonder that big music players such as Interscope and Spotify have recently established a larger footprint in Atlanta.

But it doesn't stop at hip-hop for Atlanta. Our region also carries a steep history in being home to a chart-leading scene for indie-rock and country. From Deerhunter to the Black Lips, the Black Crowes to John Mayer, and Kenny Rogers to Zac Brown Brand, for decades Atlanta has been an eclectic showcase of music that serves as the launching pad for the most popular artists around the world.

Much of this flows from the live music scene that beats throughout the city every night of the week. Atlanta is home to over 60 music venues and 30 festivals, including the renowned Music Midtown festival, the Atlanta Jazz Festival and Shaky Knees and Beats festivals. Electric Dance Music, or EDM, has also grown rapidly to become a part of the music scene of Atlanta. Thousands of people flocked to the Atlanta Motor Speedway to attend Imagine Music Festival, a three-day concert series that celebrates a collection of electronic music artists and the distinctive culture that comes with it.

Sprinkled all over town, live music venues such as the Coca-

Cola Roxy Theatre, the Tabernacle, the Fox Theatre, the Masquerade, Eddie's Attic, the Earl, and Terminal West give well-established artists and those just hitting the scene an opportunity to make their mark. At the same time, the Atlanta Symphony Orchestra and Chorus wows listeners with more than 100 albums recorded and 27 Grammy Awards.

Music production gives even more depth to Atlanta's musical scene. With more than 300 recording studios, a number of them such as Silent Sound and Tree Sound being the most coveted in the world, global superstars in all types of music frequently come to Atlanta to lay down their award-winning tracks.

#### **ARTS**

From international art exhibits, award-winning theater to our grassroots street artists that are being commissioned by some of the biggest brands in the world, Atlanta's arts districts are considered the arts and theater hub for the Southeast.

The Woodruff Arts Center is the stronghold of arts culture in Atlanta. Located in Midtown, it's the third largest arts organization in the world, home to the Tony Award-winning Alliance Theatre, the Grammy Award-winning Atlanta Symphony Orchestra (ASO) and the High Museum of Art, the leading art museum in the Southeast. Nearly one million patrons travel to Woodruff for outstanding theatre, music, and exhibitions each year. The center also serves as the largest arts educator in Georgia, as it supports and develops the crafts of nearly 200,000 students each year.

The City of Atlanta's Office of Cultural Affairs (OCA) encourages and support Atlanta's cultural resources. Arts play an essential role in defining the cultural vitality of the city and are enhancing Atlanta's reputation as a cultural destination. The Cultural Experience Project (CEP) provides opportunities for over 30,000 Atlanta Public Schools' students to experience the broad range of Atlanta's premiere cultural venues and artistic programs at no cost to the student. The Atlanta Jazz Festival (AJF) welcomes thousands of residents and visitors to Piedmont Park for three days of free jazz during Memorial Day weekend each year. The Atlanta Jazz Festival also includes the Youth Jazz Band Competition, which allows Atlanta-area middle and high school jazz bands to compete for an opportunity to perform during the festival and raise funds (donated by sponsors) for their school's jazz program. The Public Art Program (PAP) focuses on the conservation and maintenance of Atlanta's Public Art Collection and produces ELEVATE, an annual free Public Art festival featuring local, national and international artists throughout the city. ELEVATE has been named one of the Top 50 Public Art Projects in the Country by Americans for the Arts and has also been nominated for the Livable Cities Award.

The art ecosystem in Atlanta is anchored by organizations and independent artists that work to improve the cultural and social landscape of Atlanta through creative initiatives and community partnerships. They focus on developing the business side of the arts for individual artists and nonprofit arts.

Some organizations on the forefront of this movement include WonderRoot, Living Walls, The Community Foundation for Greater Atlanta and the wildly supported OuterSpace Project, which is a multi-day street art and music festival.

#### **FANDOM**

Atlanta has become an epicenter for fandom and geek culture. Annually, sci-fi, comics and anime aficionados flock to the region to be with their tribes. These events draw more than one million fans to Atlanta, combined, and fill downtown streets with a parade of cosplay and costumes enjoyed by tourists and locals, alike.

During Labor Day weekend, Atlanta proudly hosts one of the largest multi-genre entertainment and pop culture conventions in the world. Dragon Con began in 1987 as an opportunity for fandoms to celebrate their diverse interests in different medias as opposed to the standard single media convention. Seen as the east coast's sister convention to Comic Con, the convention has grown to cover over 30 areas of interest and draws over 80,000 attendees, making it one of the largest multimedia conventions in the world. For one mystical weekend each year, microcosms of fans of sci-fi/fantasy, literature, gaming, comics, film, music, and pop culture gather in Atlanta for the chance to geek out together and let their imaginations and costumes run wild. The annual Dragon Con Parade has become one of the Atlanta community's most popular cultural celebrations each year.

On the other side of the year, in May, Atlanta welcomes the talent and the fans of the year's hottest anime, video games, webcomics, and science fiction. Momo Con was actually started by Anime O-Tekku, Georgia Tech's Anime Club, in 2005, but has since grown to an attendance of nearly 30,000 and become one of the largest anime conventions in North America. This family-friendly convention attracts martial arts programming, celebrity anime voiceover artists, writers, and designers alike.

Inspired by Atlanta's own, The Walking Dead, each October a collective of zombie fans assemble for Walker Stalker Con, which is nothing short of amazing. Thousands of fans gather to meet and interact with each other as well as with their favorite actors in an exciting and friendly atmosphere to learn and engage. Cast members happily sign fan merchandise and participate in celebrity Q&A panels that allow fans to get to know their favorite show and actors on a whole new level.

The creative culture kaleidoscope that is Atlanta makes hosting some of the biggest industry events in fandom and geek culture any easy fit.

#### **DIGITAL MEDIA / GAMING / ESPORTS**

The heartbeat of digital animation has been at Turner Broadcasting since 1970 when media mogul Ted Turner acquired Atlanta UHF channel 17. With its humble origins and headquarters still in Atlanta, today Turner Broadcasting still is paving the way for original content, particularly in original

animated and live-action entertainment on Adult Swim, Boomerang, and Cartoon Network. Bento Box Entertainment also produces digital animation hits out of Atlanta, such as the Emmy-winning series, Bob's Burgers, and The Awesomes.

The visual effects and virtual reality talent out of Atlanta has aided the city in producing some of the most sensational digital entertainment in recent years. Stargate Studios' Atlanta team plays a significant role in creating the post-apocalyptic universe of Georgia-lensed, The Walking Dead.

The market for digital video media has been on the rise in Atlanta, largely due to the growth of the entertainment industry that allows big digital media firms to utilize the available talent and tax credit incentives. Ian Cohen of Moguldom, which relocated its headquarters from Los Angeles to Atlanta in 2014, states that the company's "entry into the Atlanta market has been one of the most productive initiatives [it has] undertaken as a business, and look forward to continuing [their] growth in this very important market."

A robust community of gamers, programmers, and artists has grown alongside Georgia's thriving digital entertainment industry. The state is home to more than 75 game companies across genres, from casual and educational to mobile and MMOG (massively multiplayer online game). Atlanta is an established center for thriving digital entertainment sectors such as video gaming, digital animation, SFX/Virtual Reality/ visual effects, and the fast-growing industry of eSports. According to a recent report by Newzoo, the global eSports market had 226 million viewers worldwide last year. This year, the market is predicted to rake in \$463 million.

Hi-Rez Studios, hailing from Alpharetta, GA with over 200 employees, launched Smite, a third-person MOBA (or multiplayer online battle arena) video game for Xbox and PC in 2011, and now, the game is popular with pro players and teams across the world. The company hosted their first Smite World Championship in Atlanta, Georgia last year. In January 2018, they will be hosting the Smite Season 3 championships with a prize pool of \$1 million. They also have offices in Shenzen, China and Brighton, UK.

ELeague, a professional Counter-Strike; Global Offensive league, is as legit as it comes. Launched this year as a strategic partnership between Turner Broadcasting and talent agency WME/IMG, ELeague now includes 24 teams from across the world. The teams played their first season this past May at the Turner Studios' new ELeague Arena, exclusively for eSports, and earned sponsorships from Arby's and Credit Karma. Their new season starts next month and you can catch it on Twitch's live stream.

KontrolFreek, based out of Tech Square in Midtown, is the leader in innovative accessories with many pro players and eSports pro-teams as customers. Further ensuring the potential for the tech talent to grow to meet the demand of the growing industry, Georgia State University announced that it will join two collegiate gaming leagues, the National Association of Collegiate eSports (NACE, which has 33 programs) and the

new Georgia Esports League (GEL), which launches next month. GSU awards scholarships, practice facilities and other varsity-team perks to its gamers.

Haste, a software startup out of Georgia Tech's Advanced Technology Development Center (ATDC), improves network performance for live interactive experiences by reducing lag, packet loss, and jitter. Founded in 2014, Haste sells software directly to gamers and takes over their network connection when a game is launched. Haste plans to expand into markets, including virtual reality and remote workgroup collaboration.

Scuf Gaming, a global leader and innovator in eSports and winner of eSports Industry Awards "Best Hardware Award" for 2016, provides high-performance gaming controllers for elite gamers. More than 90 percent of the top professional gamers in the world use Scuf.

"The skills developed by eSports-interested students are the very skills most needed for success in the 21st century economy, including collaborative soft skills and computer coding," said David Cheshier, director of the Georgia State Creative Media Industries Institute, in a written statement. "We see this initiative as building essential links to emerging creative careers in animation, 3D and immersive world creation, and other media industries."

Atlanta's Creatives: Inventing and Impacting the World While Amazon is investing heavily in streaming and original content, Atlanta is on the verge of becoming the first city to launch an OTT multi-channel video network to showcase its creators, their journey, their work and their influence — THEA. With a name that gives a nod to "The-A," THEA will take city marketing into the post-cable world while delivering content focused on the culture and creators birthing Atlanta-inspired art. The network will highlight our film creators, music creators and tech creators in the multi-screen age and show the world the saturation of talent and influence coming from Atlanta.

Designed to be part story-teller to attract the next generation and part platform of discovery, THEA sets out to make Atlanta accessible around the world. THEA will be where decision makers come to look in their quest for the next big creative act as well as an introduction to the providence of creative culture that is shaping the next generation. The network combines supportive southern hospitality with always-evolving urban culture. Welcoming, inclusive and explorative to the core, THEA connects creators with consumers—just like it connects the world with our hometown. THEA draws attention to Atlanta people, products, technology and culture while entertaining, educating and inspiring viewers. Showcasing Atlanta's culture through THEA will open the door and be a guide for emerging talent looking to relocate to Atlanta.

THEA will prove Atlanta's potential as the region transforms into the next entertainment mecca of this century. With Amazon's arrival, this transformation will be cemented.

# **DIVERSITY**

#### **AT A GLANCE**

- Nearly 800,000 of metro Atlanta's population is foreign-born.
- 36.4 percent of foreign-born individuals in metro Atlanta have a bachelor's degree or higher.
- Atlanta is ranked among the top metro areas for millennial population (ages 20-34) and is a top moving destination for this demographic (Sources: Site Selection Group and Mayflower, 2017).
- In 2017, Atlanta ranked 6th on The Advocate's Queerest Cities in America list.
- 32.9 percent of people employed in management occupations in metro Atlanta are non-white, compared to 18.3 percent in the U.S.

Diversity and inclusion are not just buzzwords in Atlanta; they are the essence of the way residents live and work with their neighbors every day. Diversity is woven throughout communities, and it's integral to the fabric of the city.

Atlanta, known as the "city too busy to hate," was the cradle of the American Civil Rights Movement. During those tumultuous years, Atlanta grew from a sleepy railroad hub to the enlightened capital of a progressive southern metropolis. That movement remains one of the region's greatest contributions to the world. The people here believe they have a special duty to honor the city's role in it and the people who had the courage to make it happen—while also remembering the injustices that launched the movement in the first place. Atlanta strives to stand as a model for other cities across the country.

Atlanta is a vibrant, international city and boasts large communities of various racial, ethnic, and cultural groups from around the world, as well as a thriving LGBTQ community. In fact, metro Atlanta's Diversity Index is 68.4, with the US Diversity Index at 64 (Source: Esri).

Diversity here isn't confined to one part of town. The smaller cities around Atlanta that make up the metro area are some of the most diverse in the country. The cities of Sandy Springs, Roswell, and Johns Creek ranked 15th, 22nd, and 24th in WalletHub's 2017 Most Diverse Cities in America List, which looked at the 501 largest cities in America.

Atlanta is a business town, and diversity is its secret weapon. The wide variety of races, cultures, experiences and perspectives represented here not only enriches culture experiences, it enriches the workplace. This diversity helps the people here think like inventors, innovate, challenge assumptions, and see things from new perspectives. Ultimately, diversity is what allows the region to keep rising.

See the Atlanta Way section for more information on Atlanta's commitment to diversity and social impact.

#### **RACIAL AND ETHNIC DIVERSITY**

In metro Atlanta, Black or African-American is the largest racial minority group at 34.0 percent of the population (Source: U.S. Census Bureau, American Community Survey 2016). And other racial and ethnic groups are growing quickly. The Hispanic or Latino population more than doubled from 2000 to 2010, and now the group comprises over 10 percent of the area's population.

	Atlanta MSA	Seattle MSA	United States
White	53.6%	69.0%	72.6%
Black or African American	34.0%	5.6%	12.7%
American Indian and Alaska Native	0.4%	0.8%	0.8%
Asian	5.7%	13.0%	5.4%
Native Hawaiian and Other Pacific Islander	0.0%	0.9%	0.2%
Some other race	3.5%	4.0%	5.1%
Two or more races	2.6%	6.7%	3.2%

U.S. Census Bureau, American Community Survey 2016, 1-Year Estimates

\*10.5% of the Atlanta MSA's population reports Hispanic or Latino origin (of any race).

9.9% Seattle MSA's population reports Hispanic or Latino origin (of any race).

17.8% United States' population reports Hispanic or Latino origin (of any race).

Like other kinds of diversity, racial diversity in metro Atlanta isn't confined to any particular area. In fact, of the U.S. counties that became "majority-minority" between 2000 and 2013, four were counties in the greater metro Atlanta area: Rockdale, Henry, Douglas and Gwinnett (Source: The Pew Research Center, 2015). Clarkston, Georgia, has become the most ethnically diverse square mile in America.

#### INTERNATIONAL DIVERSITY

The metro area also attracts many people from other countries who often come to work at one of the global businesses headquartered here or study at one of the world-renowned institutions.

In fact, metropolitan Atlanta boasts the second fastest-growing, foreign-born population in the nation, and its immigrant and refugee community is fundamental to Atlanta's position as the commercial and cultural center of the Southeast.

Currently, nearly 14 percent of metro Atlanta's population is foreign-born (roughly 800,000 people). Of that, the largest portion was born in Latin America (45.4 percent), followed by Asia (32.3 percent), and Africa (11.9 percent). The top five countries of origin are Mexico, India, Jamaica, China and Korea. And 18 percent of the metro area's population over the age of five speak a language other than English at home (Source: U.S. Census Bureau, American Community Survey 2016).

Residents create communities that are not just diverse but also inclusive. By extending the best of "southern hospitality" to their immigrant and refugee neighbors through the city's Welcoming Atlanta initiative, Atlantans ensure new residents are seamlessly integrated into the community. The initiative brings together government and community leaders to extend values of welcoming, inclusion and diversity.

The national headquarters of Welcoming America is in metro Atlanta. The organization's unique model engages community members, schools, faith leaders, and the public and private sectors to work together to create a welcoming community climate that promotes long-term integration. Welcoming America is dedicated to the idea that all communities become more prosperous when they are inclusive.

The metro cities of Norcross, Decatur, Clarkston, and Brookhaven are all members of the nationwide network. And the City of Atlanta established an Office of Immigrant Affairs as a part of the initiative.

**36.4%** of foreign-born individuals in metro Atlanta have a bachelor's degree or higher

Additionally, 68 diverse countries including Germany, Brazil, Canada, Mexico, India, Korea, France, Colombia, Japan, and many more in between, have representation in metro Atlanta with 78 consular and trade offices. Atlanta's diverse international business community is also represented through 34 bi-national chambers of commerce, including Germany, France, Latin America, Poland, Sweden, and others.

#### **MILLENNIAL POPULATION**

Atlanta is ranked among the top metro areas for millennial population (ages 20-34) and is a top moving destination for this demographic (Sources: Site Selection Group and Mayflower, 2017). In fact, millennials comprise one-third of

the metro area's population (ESRI, 2017). The average age of metro Atlanta residents that moved from a different state in the last year is 29.7 years old.

#### **LGBTQ PRIDE**

We take pride in our reputation as the capital of the Gay South. Midtown, a neighborhood in the heart of the city, has a long history of attracting the LGBTQ community with gay-friendly clubs, stores, and restaurants. Across the region, people from all backgrounds, races and sexual identity are welcome. Atlanta Pride is one of the oldest LGBTQ events in the country and draws about 250,000 people to the city each year, with this year's setting an all-time record for attendance. Local businesses and corporations flock to support the event, and sponsors include Coca-Cola, Delta Air Lines, Cox Enterprises, MailChimp, Turner Broadcasting, and others. The city also hosts Atlanta Black Gay Pride, which is known as the largest black gay pride festival in the world. It's been running for 21 years and draws over 75,000 attendees a year.

Atlanta is a magnet for talented LGBTQ employees—and it's not hard to see why. We achieved a perfect rating on the Human Rights Campaign's 2016 Municipal Equality Index Scorecard, which looks at employment practices, nondiscrimination laws, and other metrics. (Atlanta received bonus points for electing openly LGBTQ municipal leaders.) Many of the city's major employers are known for nurturing LGBTQ talent. The Coca-Cola Company, Delta Air Lines, The Home Depot, UPS, First Data Corporation, and many other Atlanta-headquartered businesses received a perfect score on the Human Rights Campaign's Corporate Equality Index 2017.

In 2017, Atlanta ranked 6th on The Advocate's Queerest Cities in America list. "The star of the South is really becoming one of the country's greatest queer centers," the magazine raved. "It nailed nearly all aspects of our criteria for what makes a queer city."

#### **RELIGIOUS DIVERSITY**

The metro Atlanta region celebrates people of all faiths. Three-quarters of adults here identify as Christian. Other major religions represented in the area include Judaism, Islam, Buddhism, and Hinduism (Source: Pew Research Center, Religious Landscape Study, 2014). No matter one's faith, there is a strong community and a place of worship to welcome and embrace everyone in Atlanta.

## A PUBLIC-PRIVATE APPROACH TO ENSURING HUMAN RIGHTS

In metro Atlanta, the public and private sectors have worked together to safeguard the rights of all citizens. The city's non-discrimination laws prohibit discrimination based upon sexual orientation and gender identity, as well as race, color, creed, religion, sex, marital status, parental status, familial status, national origin, age and disability. These non-discrimination laws apply to employment, housing and treatment of customers.

In 2000, the City of Atlanta passed a local ordinance protecting people from discrimination on the basis of sexual orientation. In July 2013, the City Council expanded the law to include protections from discrimination based on gender identity. The Atlanta Police Department has also taken concrete steps to promote community inclusion. An LGBTQ special unit focuses on combatting hate crimes and building relationships with the LGBTQ community. Additionally, a Hispanic task force focuses on building relationships with Hispanic Atlantans and focuses on issues that matter to them.

In 2016, Georgia's business community came together to promote nondiscrimination by launching Georgia Prospers. Created by a coalition of more than 600 businesses, including Coca-Cola, First Data, Google, and Marriott, the organization is dedicated to promoting non-discrimination policies and equal treatment for all. Businesses agree that a united Georgia is a prosperous Georgia.

#### GEORGIA PROSPERS BUSINESS COALITION PLEDGE

"We believe that treating all Georgians and visitors fairly is essential to maintaining Georgia's strong brand as the premier home for talented workers, growing businesses, entrepreneurial innovation, and a thriving travel and tourism industry.

We believe that in order for Georgia businesses to compete for top talent, we must have workplaces and communities that are diverse and welcoming for all people, no matter one's race, sex, color, national origin, ethnicity, religion, age, disability, sexual orientation, or gender identity.

As signers of the Georgia Prospers pledge, we are committed to promoting an attractive, prosperous, and economically vibrant Georgia. A united Georgia is a prosperous Georgia."

#### STUDENT DIVERSITY

Atlanta's historical commitment to diversity has helped create an exceptionally rich pool of talent, especially when it comes to tech talent. And the region's higher education institutions demonstrate the success of that commitment. Georgia Tech is one institution that is striving to advance diversity in the tech world.

#### **GEORGIA TECH DEMOGRAPHICS 2015-2016**

- #1 for Engineering Bachelor's Degrees Awarded to Women
- #2 for Engineering Bachelor's Degrees Awarded to African-Americans
- #2 for Doctoral Degrees Awarded to Foreign Nationals
- #4 for Engineering Bachelor's Degrees Awarded to Asian-Americans

Source: Engineering by the Number, Brian L. Yoder 2016

#### GEORGIA TECH'S WOMEN IN ENGINEERING (WIE) PROGRAM

- Dedicated to recruiting top female students into engineering majors
- "Ensuring highest level of retention by fostering an environment that encourages curiosity, creativity, and intellectual and personal growth"

#### **GEORGIA STATE UNIVERSITY**

- Georgia State now awards more bachelor degrees to African-Americans than any other non-profit university in the nation, according to the annual rankings in Diverse Issues in Higher Education.
- At Georgia State, more black students graduate each year than at any U.S. college.
- The university ranks as having among the highest rates of students with Pell grants in the nation, according to the U.S. News and World Report. About 56 percent of its undergraduates are on Pell grants. Typically, Pell families have annual household incomes of \$30,000 or less. The average annual family household income for Pell students is \$20,000.

#### **GEORGIA TECH SOCIETY OF BLACK ENGINEERS**

- Academic support, leadership development, corporate representatives, job connections, community service
- Corporate and community partnerships

The Atlanta University Center (AUC) Consortium has a long history of educating African-Americans in STEM subjects. The AUC is composed of four member institutions — Clark Atlanta University, Morehouse College, Morehouse School of Medicine, and Spelman College.

#### **SPELMAN COLLEGE**

- | Ranked #1 HBCU by U.S. News & World Report (2018)
- Computer Science undergraduate program
- Currently has four fellows in the HBCU Innovation program by UNCF
- Spelman College has a strong record of educating African-American women in science, technology, engineering and mathematics disciplines. On average, during the past five years, 34 percent of the College's student body pursued majors in biology, chemistry, mathematics, computer science, physics, environmental science or engineering (dual degree program is available through 13 schools including the Georgia Institute of Technology), and 25 percent of graduates received degrees in STEM disciplines.

#### **MOREHOUSE COLLEGE**

- Ranked #4 HBCU by U.S. News & World Report (2018)
- Computer Science undergraduate program
- Currently has five fellows in the HBCU Innovation program by UNCF
- Culturally Relevant Computing Lab (CRC Lab) is nationally recognized for producing the most black computing graduates who go on to attend doctoral programs in computing

#### **CLARK ATLANTA UNIVERSITY**

- Ranked #16 HBCU by U.S. News & World Report (2018)
- Computer Science undergraduate and master's programs
- Awarded a National Nuclear Security Administration grant of \$40,000 to host a STEM program for exceptional high school students

See the Talent section for more information on Atlanta's talent pool stemming from our renowned colleges and universities.

#### A DIVERSE BUSINESS LANDSCAPE

People come to Atlanta, because they know it's a place where everyone can thrive. This is a city of opportunity with great jobs, great culture, and a great quality of life. But more than that, the region has developed a reputation as a place where women and people of color can come to have opportunities they might not have elsewhere. That's especially true in technology jobs. In fact, Atlanta ranks 6th in gender diversity in tech occupations, according to CBRE (Source: CBRE, 2016).

Atlanta has more non-white people working in management occupations than other parts of the country do. In fact, 32.9 percent of people employed in management occupations in metro Atlanta are non-white, compared to 18.3 percent in the U.S. as a whole (Source: U.S. Census Bureau, American Community Survey 2016, 1-Year Estimates). Women make up 40.5 percent of people employed in management occupations, slightly above the 40.2 percent for the U.S. as a whole (Source: U.S. Census Bureau, American Community Survey 2016, 1-Year Estimates).

The region also nurtures innovation and entrepreneurship, especially among women and people of color—and that strategy has paid off. Currently, 29.9 percent of metro Atlanta businesses are black-owned (Source: U.S. Census, Survey of Business Owners, 2012), and Expert Market ranked Atlanta 3rd on their list of the best cities for minority entrepreneurs. In addition, 41.1 percent of metro Atlanta businesses are female-owned (Source: U.S. Census, Survey of Business Owners, 2012). Business Insider ranked Atlanta 5th in absolute growth of women-owned businesses, Inc. Magazine named it one of the four fastest-growing hotspots for women entrepreneurs,

and the Center for an Urban Future name it the 3rd best city for growth of women-owned businesses.

Invest Atlanta provides gap financing through various loan programs to small, minority and female-owned businesses to expand and/or relocate in the city of Atlanta. The loans help to revitalize targeted commercial neighborhood areas, promote business development projects and stimulate job creation within the city. Since 2010, Invest Atlanta has approved 107 small business loans leveraging \$4.3 million in total investment.

The metro area is also home to the Women's Entrepreneurship Initiative, which provides funding and resources to womenowned and women-led ventures. It's the only city-funded initiative of its kind in the nation. In 2017, WEI businesses generated more than \$1.3 million in revenue.

# ATLANTA: PLANNING FOR GROWTH

In the past few decades, Atlanta has undergone a tremendous growth spurt. Most recent data from 2015 to 2016 indicates metro Atlanta's population increased by an estimated 90,650 people, ranking 4th metro area in the nation for numeric change in population. The area continues to grow rapidly with labor force and jobs growing at almost four times the U.S. rate, attracting new talent, new energy, and new ideas.

As a community, the region is cognizant of the fact that fast growth has the potential to lead to inequality. Population booms can lead to increased housing costs that drive low-income people out of neighborhoods they might have lived in for years.

#### THE ATLANTA CITY DESIGN

As a city, Atlanta is committed to ensuring that the region remains a place where everyone can live—and loves to live. In 2017, the city launched The Atlanta City Design project to ensure that the city grows responsibly by designing for people, nature, and people in nature. The project approaches growth with a design mentality. It's the guide to ensuring that the region develops neighborhoods and housing in a way that will ensure more equity for all residents. Through Identity, Urgency, Design and Implementation, the project will ensure Atlanta remains the diverse place residents and visitors love for many years to come. Next steps for the plan will include zoning ordinance changes, conservation and preservation efforts and housing strategy.

**COLLABORATIVE INITIATIVES** 

The City of Atlanta partnered with Atlanta business leaders from The Home Depot, Delta Air Lines, AT&T, Coca-Cola, Intercontinental Hotel Groups and more to establish the Westside Future Fund, a not-for-profit organization of Atlanta community leaders who believe in the future of the Westside and are committed to helping the area revitalize and grow. In September 2017, the Fund pledged \$16.4 million over five years towards Westside education initiatives. The Fund is taking action to improve the health, education, and welfare of current residents of four Atlanta neighborhoods facing some of the greatest needs: English Avenue, Vine City, Ashview Heights, and the Atlanta University Center, sitting in sight of the \$1.5 billion Mercedes-Benz Stadium. The organization works to address equity and social justice issues associated with new residential and commercial development, and attract new investment, new jobs, and new residents.

In addition, the Workforce Training Hub at City of Refuge will provide educational programs for children and adults. It provides a path to individual self-reliance and hope for the future.

#### **EQUITABLE GROWTH**

The metro region is also promoting equity by offering services across the city. For example, Atlanta wants every resident to live within a half-mile walk of a park, and the \$45-million, 16-acre Cook Park represents the largest investment in a public park in the Westside neighborhoods in more than 50 years.

Atlanta has also been named one of the Rockefeller Foundation's 100 Resilient Cities.

It has developed resilience strategy that will be released in October. It addresses the shocks and stresses Atlanta may face, including those driven by income inequality.

The city has already implemented an anti-displacement program and frozen property taxes in areas where communities are being revitalized.

# THE ATLANTA WAY: BUSINESS DRIVING SOCIAL IMPACT

The Atlanta story is one of transformation and evolution. The economic landscape is thriving across industry sectors as the region continues to evolve from yesterday's traditional manufacturing model into today's digital age. But beyond growth in the business sector, metro Atlanta offers a compelling story about diversity, perseverance, collaboration and bias for action known as "the Atlanta Way."

The Atlanta Way was once about the historic cooperation between whites and blacks during the Civil Rights Movement and epitomized Atlanta's reputation as the "city too busy to hate." Today, a still unified business community continues to drive impact as the region's corporate leadership both defines how Atlanta addresses social issues and models success for the rest of the nation. This is the place to take advantage of countless opportunities to redefine the way the world does business, to have a meaningful impact in the broader global society, and to live a fulfilling and inspiring life. That is the new definition of the Atlanta Way.

#### **LEADERSHIP**

Leaders are made in Atlanta. Across generations, this region breeds men and women who want to make a lasting impact, who want to disrupt the status quo and who shake up things in the name of progress. Game-changing business innovators, forward-thinking policymakers, legendary social activists and their unparalleled leadership are at the very heart of the Atlanta story. Atlanta's leaders have a sense of responsibility for the community. They take pride in paying their civic rent.

And the diversity of leadership in Atlanta is remarkable, too. Some of the region's most influential people move in industries as varied as sports (Arthur Blank), entertainment (Tyler Perry), business (Sara Blakely), tech (Tom Noonan), philanthropy (Michelle Nunn), and public service (Congressman John Lewis).

Atlanta's fertile social landscape is a wellspring for business thinkers and entrepreneurs with the guts to dream big. Big dreams brought the Olympic Games to Atlanta in 1996, and are bringing the trifecta of the sporting world to the city over the next three years: College Football Playoff National Championship (2018), Super Bowl LIII (2019) and the NCAA Men's Final Four (2020).

Georgia has become the #1 state for business four years in a row (Area Development and Site Selection Magazine), because of political and business leadership that fights to shape policies and perceptions that maintain a business-friendly climate.

#### **SOCIAL RESPONSIBILITY**

Atlanta's business and community leaders make the case that business success and good stewardship don't have to be at odds. Atlanta leaders promote the concept that businesses can expand, grow their profits and create jobs while doing the greatest good for the most people. They are elevating metro Atlanta's profile as a region making great strides in advancing both goals.

During crisis, Atlanta comes together for the greater good. Most recently, the region's business community stepped up to support victims of Hurricane Harvey and Hurricane Irma with millions of dollars donated to aid in disaster relief. In 2005 after Hurricane Katrina, Atlanta's business community joined forces to host the state's – and perhaps the country's – largest job fair at the time at the Georgia World Congress Center.

The event helped tens of thousands of displaced residents from across the Southeast who flocked to the event seeking a fresh start. Together, the business community also raised roughly \$10 million to aid Katrina families.

In 2007, Grady Memorial Hospital, Georgia's largest hospital and world-renowned Level 1 trauma center, was \$60 million in debt and facing closure. Seventeen members of Atlanta's business community came together again to form a task force that saved the region's only public safety-net hospital and safeguarded this health care option for the uninsured and underserved.

The region can have such a tremendous impact, because it's home to an engaged community of leaders that understands the benefits of collaboration to shape an ecosystem that has gotten Atlanta noticed and secures a better future for its citizens. A rich civil rights legacy has defined Atlanta as a hotbed for transformation, and today's leaders continue to build on that foundation. Channeling the activist spirit that defined the 1950s and 1960s, metro Atlanta's business community has joined forces to impact major issues, including changing the Georgia state flag and, most recently, defeating religious exemption legislation.

This spirit can be fully understood by studying the region's response to Dr. Martin Luther King Jr.'s Nobel Peace Prize in 1964. When social conservatives in Atlanta refused to support an integrated dinner honoring Dr. King, Atlanta-based Coca-Cola directed its influence, galvanized Atlanta's business community and changed the region's history. Ultimately, then Mayor Ivan Allen worked with former Coca-Cola president Robert Woodruff and Coca-Cola CEO J. Paul Austin to convince the white business community to honor Dr. King. Nearly 1,600 ended up showing support for Dr. King at a dinner where they heard him say in reference to Atlanta:

"This marvelous hometown welcome and honor will remain dear to me as long as the chords of memory shall lengthen."

#### **PHILANTHROPY**

Whether one's passion is the arts, global health, education or something entirely different, Atlanta has the right environment to help individuals and businesses make an impact, even on a global scale.

Metro Atlanta is a titan in the arena of nonprofit headquarters, including the American Cancer Society, Task Force for Global Health, Boys & Girls Clubs of America, CARE USA, Habitat for Humanity International and others.

Established by Robert W. Woodruff, former president of the Coca-Cola Company from 1923 until 1954, the Woodruff Foundation is a major multibillion dollar philanthropic organization that invests primarily in the city of Atlanta through health, education, economic and community vitality.

Here, even the smallest businesses have a heart to help. One notable example is Staplehouse, which was named America's best new restaurant in 2016 by Bon Appetit. All of the restaurant's after-tax profits go to The Giving Kitchen – a nonprofit of which Staplehouse is a subsidiary – that provides emergency assistance grants to metro Atlanta restaurant workers facing unanticipated crises.

In Atlanta, companies and individuals think big as they define giving strategies that impact the world.

#### TED TURNER

Dear Jeff,

Congratulations on Amazon's tremendous success! It's exciting to witness a company reinvent the traditional world of retail, dominate the latest high-tech sectors and be a game changer on a global scale. As an entrepreneur and seasoned businessman, I know a smart leader when I see one, and you are outpacing the competition with smart leadership. And as a committed philanthropist, I know we need more smart folks like you, who are dedicated to achieving success while also making the world a better place.

I'm reaching out to you for reasons other than simply to congratulate. From one disruptor to another, I can assume what's on your mind these days: How do I remain eager <u>and</u> keep others excited for what Amazon can offer today and will offer in the future?

It's the same question I asked myself as I built a television empire. I continued to revisit the question as I coupled my passion for sailing and sports with my business acumen, and won championships while at the helm of Turner Broadcasting and CNN. Although I shifted my focus along the way to philanthropy and environmental issues, I remained resolute for success, albeit a different kind of success than I had previously experienced. No matter the industry, I have always looked to connect with others just as determined as I - individuals who, like me, wished to push toward a bigger goal and a greater good.

The success I've had could have only emerged out of the City of Atlanta. Why? Atlanta has been home to me and my family for many years. From my early days as a young man, I recognized that I wanted to build something special in Atlanta. Before the world caught on, I realized that Atlanta had a special quality and was on the cusp of a transformation. Even back then, Atlanta had the perfect recipe of business environment, low costs and talent, allowing me to be inventive, competitive and even somewhat unpredictable. Atlanta's a place that inspires its community leaders – social, economic, business – to invent, and continue to reinvent, the way things are done and how the world operates.

You're a pioneer who wants to improve the world one innovation at a time. By all accounts, you're accomplishing just that. Like me, you want to leave a legacy of social impact that speaks much louder and broader than numbers on a spreadsheet. And Amazon's HQ2 will be the catalyst that drives much of the company's trajectory over the next decade. There's only one location that's fit to foster smart leadership and smart business for HQ2. It's simple. Choose Atlanta!

Sincerely,

## **APPENDIX**



## 56 Occupations of Specific Importance to HQ2 Atlanta MSA

soc	Description	2017 Jobs	2027 Jobs	Median Hourly Earnings
11-1011	Chief Executives	4,836	4,864	\$103.14
11-1011	General and Operations Managers	59,494	63,786	\$49.72
11-2011	Advertising and Promotions Managers	664	734	\$48.67
11-2021	Marketing Managers	6,091	6,625	\$61.06
11-2022	Sales Managers	11,471	12,176	\$57.97
11-2022	Public Relations and Fundraising Managers	1,301	1,419	\$51.47
11-3011	Administrative Services Managers	6,253	6,743	\$41.78
11-3021	Computer and Information Systems Managers	10,359	11,566	\$64.10
11-3031	Financial Managers	12,789	13,673	\$64.10
11-3061	Purchasing Managers	1,327	1,396	\$54.54
11-3071	Transportation, Storage, and Distribution Managers	2,962	3,142	\$47.05
11-3111	Compensation and Benefits Managers	381	408	\$62.63
11-3121	Human Resources Managers	3,827	4,169	\$51.07
11-3131	Training and Development Managers	923	985	\$53.35
11-9199	Managers, All Other	8,557	9,005	\$53.63
13-1081	Logisticians	2,324	2,506	\$31.53
13-1111	Management Analysts	17,926	19,402	\$40.64
13-2011	Accountants and Auditors	28,046	31,567	\$34.54
13-2051	Financial Analysts	5,783	6,312	\$35.77
15-1111	Computer and Information Research Scientists	432	491	\$53.77
15-1121	Computer Systems Analysts	13,665	15,861	\$41.89
15-1122	Information Security Analysts	1,838	2,107	\$43.86
15-1131	Computer Programmers	6,967	6,434	\$40.63
15-1132	Software Developers, Applications	21,696	24,452	\$47.15
15-1133	Software Developers, Systems Software	11,242	12,210	\$47.29
15-1134	Web Developers	2,340	2,910	\$37.35
15-1141	Database Administrators	4,153	4,437	\$42.45
15-1142	Network and Computer Systems Administrators	8,967	9,667	\$42.50
15-1143	Computer Network Architects	4,514	4,789	\$56.63
15-1151	Computer User Support Specialists	18,361	20,041	\$24.82
15-1152	Computer Network Support Specialists	6,278	6,584	\$34.99
15-1199	Computer Occupations, All Other	8,623	8,882	\$42.32
15-2011	Actuaries	242	292	\$49.04
15-2021	Mathematicians	19	23	\$56.20
15-2031	Operations Research Analysts	1,990	2,474	\$27.73
15-2041	Statisticians	587	742	\$44.01
17-2051	Civil Engineers	6,969	7,484	\$38.73
17-2061	Computer Hardware Engineers	1,172	1,254	\$45.43
17-2071	Electrical Engineers	2,863	3,022	\$42.58
17-2112	Industrial Engineers	3,388	3,669	\$37.86
17-2141	Mechanical Engineers	2,610	3,002	\$38.81
17-2199	Engineers, All Other	1,934	2,051	\$43.10
17-3029	Engineering Technicians, Except Drafters, All Other	719	787	
23-1011	Lawyers	13,295	14,330	\$58.54
23-1022	Arbitrators, Mediators, and Conciliators	143	152	\$26.10
23-2011	Paralegals and Legal Assistants	6,439	6,953	\$24.94
27-1014	Multimedia Artists and Animators	1,145	1,320	\$25.11
27-1024	Graphic Designers	4,790	5,060	\$24.03
27-3041	Editors	1,517	1,533	\$21.46
27-4021	Photographers	917	1,048	
27-4032	Film and Video Editors	808	1,192	\$26.40
43-3061	Procurement Clerks	673	717	\$20.39
43-6011	Executive Secretaries and Executive Administrative Assistants	12,627	12,418	\$26.54
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	41,168	43,953	\$17.38
43-9031	Desktop Publishers	242	202	\$26.16
43-9081	Proofreaders and Copy Markers	199	209	\$12.53
Total	ISL 03 2017	400,850	433,227	

Source: EMSI, Q3 2017



## EXAMPLES OF BUSINESS AND HIGHER EDUCATION PARTNERSHIPS

#### **Internships and Co-op Programs**

Many of the University System of Georgia schools offer internship and co-op programs for students. For example, Georgia Tech offers a co-op program allowing students to alternate between working full time one semester and spending the next semester back in school. This can continue through graduation allowing businesses to gain access to students, train them, and create a talent pipeline to support their needs.

#### **Corporate Partnerships**

Georgia Tech Office of Industry Collaboration <a href="http://www.research.gatech.edu/oic">http://www.research.gatech.edu/oic</a>

Georgia Tech has the experience and the infrastructure to tailor a corporate partnership to meet a company's specific needs and expectations in a wide variety of sectors. The Office of Industry Collaboration works with units across campus to seamlessly craft, nurture, and expand an "Institute-to-Corporation" relationship tailored to the needs of the company. Companies also can go straight to the point person for their targeted needs (http://www.research.gatech.edu/industry-collaboration).

Georgia Tech Corporate Innovation Centers <a href="http://www.gatech.edu/innovation-ecosystem/innovation-centers-and-accelerators">http://www.gatech.edu/innovation-ecosystem/innovation-centers-and-accelerators</a>

More than a dozen multinational corporations have innovation centers on or near campus to connect with Georgia Tech's students, research, start-ups, and technology licensing opportunities. Some examples include:

- Keysight Atlanta Software Design Center <a href="http://www.news.gatech.edu/2016/05/18/keysight-technologies-coming-technology-square">http://www.news.gatech.edu/2016/05/18/keysight-technologies-coming-technology-square</a>
- Delta's "The Hangar" Global Innovation Center <a href="http://www.news.gatech.edu/2017/05/02/innovation-soars-hangar-tech-square">http://www.news.gatech.edu/2017/05/02/innovation-soars-hangar-tech-square</a>
- The Home Depot Technology Center <a href="http://www.news.gatech.edu/2015/01/22/home-depot-opens-technology-center-georgia-tech">http://www.news.gatech.edu/2015/01/22/home-depot-opens-technology-center-georgia-tech</a>
  <a href="http://www.news.gatech.edu/2015/01/22/home-depot-opens-technology-center-georgia-tech">http://www.news.gatech.edu/2015/01/22/home-depot-opens-technology-center-georgia-tech</a>
- UCB Solution Accelerator <a href="http://www.news.gatech.edu/2016/09/23/ucb-opens-innovation-center-tech-square">http://www.news.gatech.edu/2016/09/23/ucb-opens-innovation-center-tech-square</a>

- Southern Company Energy Innovation Center <a href="https://www.southerncompany.com/innovation/energy-innovation-center.html">https://www.southerncompany.com/innovation/energy-innovation-center.html</a>
- thyssenkrupp Elevator Americas Research Innovation Center http://thyssenkruppelevator.com/
- Anthem Innovation Studio <a href="https://www.anthem.com/">https://www.anthem.com/</a>
- Emerson "Helix" Innovation Center <a href="http://www.emersonclimate.com/en-us/about-us/industry-stewardship/pages/the-helix.aspx">http://www.emersonclimate.com/en-us/about-us/industry-stewardship/pages/the-helix.aspx</a>
- Panasonic Innovation Center http://pasapic.com/centergy-one.html
- AT&T Foundry <a href="http://about.att.com/innovation/foundry">http://about.att.com/innovation/foundry</a>
- Siemens Data Analytics & Applications Center
   <a href="http://www.news.gatech.edu/2017/04/20/siemens-opens-innovation-center-tech-square">http://www.news.gatech.edu/2017/04/20/siemens-opens-innovation-center-tech-square</a>
- Coca-Cola One Services North America (CONA) Development & Innovation Lab

#### **Co-location Opportunities**

Georgia Tech and the business community have enjoyed great success by co-locating university assets along with private research and development facilities. This proximity of corporate innovation centers, start-up technology companies, academia, and students is made possible through Georgia Tech-led real estate developments.

For the past decade, many businesses have located innovation centers in a Georgia Tech building that was co-developed with a private developer. Known as the Centergy building, it is home to Georgia Tech's incubator called the Advanced Technology Development Center (ATDC). Over a dozen global brands have located innovation centers here. Now that Centergy is at full capacity, Georgia Tech has embarked on a new development with a private developer nearby.

CODA, part of the Georgia Tech campus, is a 770,000-square foot mixed use development under construction. It will have Georgia Tech as its anchor tenant, with the rest of the space leased by data-intensive companies.

http://codatechsquare.com/building/

http://www.ajc.com/business/economy/dallas-based-company-putting-data-center-midtown-georgia-tech/FyCgQx4Yl51l9N6DL0UDKJ/

Georgia Tech Supply Chain and Logistics Institute

Georgia Tech's Supply Chain and Logistics Institute helped Avon to reduce the cost of picking and restocking orders within the existing layout of their fulfillment area. <a href="https://www.scl.gatech.edu/node/avon-products-inc-reducing-picking-and-restocking-costs">https://www.scl.gatech.edu/node/avon-products-inc-reducing-picking-and-restocking-costs</a>

Georgia Tech Convergence Innovation Competition (CIC)

The CIC offers industry partners an unparalleled model to engage with innovative academia. Partners directly collaborate with interdisciplinary teams of Georgia Tech

student entrepreneurs. Categories for the Spring CIC are determined by CIC's industry partners, and the Fall CIC's categories are determined by campus partners. The partnerships provide students with real life guidance, including exposure to technology and business constraints worth considering, the process of selecting products and platforms for testing and development, and the benefit of final feedback from industry partners during the judging stage. By participating in this process, partners witness the creativity of the brightest Georgia Tech students and receive practical user feedback on product or platforms from student innovators.

The New Materials Institute – University of Georgia

The New Materials Institute partners with companies in the development, acceptance and use of materials and waste management practices based on green engineering principles. The goal of the partnership is to accelerate technology translation by interacting with leading researchers in NMI who can help to inform decisions on materials properties and application choices, waste management practices, as well as testing and evaluation.

Fintech Lab – Georgia State University

The J. Mack Robinson College of Business' new fintech lab provides an applied, experiential environment in which students, faculty and corporate partners can experiment with the technologies transforming financial services, insurance and real estate. Data analytics, machine learning and blockchain technologies are central components of the lab. Collaborators will use these tools to develop smart contracts, smart markets and automated trading strategies, and then study their potential to positively impact the provision of financial services to businesses and consumers. http://robinson.gsu.edu/academic-departments/insight/what-we-do/fintech-lab/

Insight Sprints – Georgia State University

These unique, collaborative engagements provide organizations with the opportunity to gain insight into a big data challenge.

Organizations with exploratory big data projects bring their staff and data together with institute faculty and students to engage in a 3- to 4-week focused effort to understand what is in their data and what can be done with it in the institute's big data lab. Students work in teams on data sprints to find solutions to these real business problems involving data management and applications. The students tackle each project with a company staff member and devise possible solutions.

The objective is to see if specific questions can be answered using the data or if the data may be helpful in other ways.

http://robinson.gsu.edu/academic-departments/insight/what-we-do/insight-sprints/

Legal Analytics Lab - Georgia State University

A new initiative of the J. Mack Robinson College of Business supported by Georgia State's College of Law is bringing business and legal scholars together with data scientists to analyze millions of litigation filings and outcomes, corporate financial disclosures, patent applications and other legal documents to identify patterns and evaluate how the law operates to predict future outcomes.

Lab faculty, students and corporate partners will use the tools of big data analytics, including text mining, machine learning, image analysis and other methodologies, to produce original research. They also will work with strategic partners, including companies and law firms, to help these organizations uncover predictors within large volumes of data.

http://robinson.gsu.edu/academic-departments/insight/what-we-do/legal-analytics-lab/

Georgia State University/State Farm Public-Private Student Success Partnership

Georgia State University, the model institution for graduating students from widely diverse backgrounds in Atlanta, and State Farm, Georgia's largest insurance company, announced a first-of-its-kind public-private partnership that helps qualified students entering the Decatur campus of Perimeter College have a pathway to a more productive future.

State Farm is providing \$20 million to bring this partnership to life. With \$14.5 million in support, Georgia State's Learning, Income and Family Transformation (LIFT) will bring the university's pioneering data analytics work to students enrolled in two-year degree programs at the university's Decatur campus of Perimeter College. The remaining \$5.5 million will go to non-profits and local schools to provide additional services to help students succeed. This puts the focus for the first time on students at the entry point of their college careers.

"Georgia State and State Farm have the common goal of helping to solve issues important to metro-Atlanta," said State Farm Chairman, President and CEO Michael Tipsord, "and helping students graduate is key to Atlanta's future. Working together creates a stronger workforce and better environment for everyone."

https://newsroom.statefarm.com/state-farm-gsu-launch-education-assist/#U31rQeh97QFWGH08.97 http://success.students.gsu.edu/state-farm-scholars/

#### **Academic Partnerships**

The InVenture Prize at Georgia Tech

The nation's largest undergraduate invention competition was created in 2009 and organized by Georgia Tech. Nicknamed "American Idol for Nerds," the competition brings together undergraduates and recent BS graduates from all academic backgrounds across campus. Partnered with Georgia Public Broadcasting, the InVenture Prize transforms the competition into an electrifying televised competition.

The final round prizes include:

- A cash prize of \$20,000 for first place and \$10,000 for second place.
- A free U.S. patent filing by Georgia Tech's Office of Technology Licensing, valued at approximately \$20,000, for both the first-place and second-place winners.
- A People's Choice Award of \$5,000 selected by online and text voting during the event.
- The 1st place winner of the InVenture Prize will automatically be accepted into the summer cohort of <u>Flashpoint</u>, a Georgia Tech business creation and innovation program. <a href="https://inventureprize.gatech.edu/">https://inventureprize.gatech.edu/</a>

The ACC InVenture Prize at Georgia Tech

The best entrepreneurs from Duke, Clemson, Boston College, North Carolina, Virginia and other schools in the Atlantic Coast Conference (ACC) come to Georgia Tech to compete against each other for the ACC InVenture Prize innovation competition. The ACC competition began in 2016 and builds on the success of the original InVenture Prize at Georgia Tech. <a href="http://accinventureprize.com/">http://accinventureprize.com/</a>

Joint Academic Department – Emory University and Georgia Tech

This joint academic department formally linking private and public institutions is the first of its kind and rated among the best in the world. The Wallace H. Coulter Department of Biomedical Engineering (BME) launched in 1997, and was the organic offspring of earlier collaborations, such as the Emory/Georgia Tech Biomedical Technology Research Center and its seed grant program, which nurtured an expanding faculty interest in collaborative research when it was established in 1987.

The bio-research partnership between Emory University (medicine) and Georgia Tech has produced biomedical discoveries for decades, one of the most dramatic being the recent successful human clinical trial of a microneedle patch for flu vaccines. <a href="https://www.bme.gatech.edu/">https://www.bme.gatech.edu/</a>

# CHOOSEATL

#### UNIVERSITIES AND COLLEGES

The higher education institutions (2-year and 4-year) below are located in the Atlanta, Athens, and Statesboro metro areas. After graduation, many alumni of these schools tend to gravitate towards Atlanta for job opportunities.

Agnes Scott College

American InterContinental University-Atlanta

Argosy University-Atlanta

Athens Technical College

Atlanta Institute of Music and Media

Atlanta's John Marshall Law School

Atlanta Metropolitan State College

Atlanta Technical College

**Bauder College** 

**Beulah Heights University** 

**Brown College of Court Reporting** 

Carver Bible College

Chamberlain College of Nursing-Georgia

Chattahoochee Technical College

Clark Atlanta University

Clayton State University

Columbia Theological Seminary

DeVry University-Georgia

**Emory University** 

**Everest Institute-Norcross** 

Fortis College-Smyrna

Georgia Christian University

Georgia Gwinnett College

Georgia Institute of Technology (Georgia Tech)

Georgia Piedmont Technical College

Georgia Southern University

Georgia State University

Gordon State College

Gwinnett College-Lilburn

Gwinnett Technical College

Herzing University-Atlanta

Interactive College of Technology-Chamblee and Morrow

Interdenominational Theological Center

Kennesaw State University

Le Cordon Bleu College of Culinary Arts-Atlanta Life University Lincoln College of Technology-Marietta Luther Rice University & Seminary MedTech Institute-Atlanta Mercer University- Atlanta Morehouse College Morehouse School of Medicine Ogeechee Technical College Oglethorpe University Point University Reinhardt University SAE Institute of Technology-Atlanta Sanford-Brown College-Atlanta Savannah College of Art & Design-Atlanta Shorter University South University-Accelerated Graduate Programs Southern Crescent Technical College Spelman College Strayer University-Georgia The Art Institute of Atlanta University of Georgia University of Phoenix-Georgia

## Select Fields of Study (CIP¹) and Number of Completions – Academic Years 2014-2016

The following fields of study are a sampling of various engineering, IT, business, financial and legal CIP codes of relevance to Amazon. At a later date, should Amazon desire additional fields of study (CIP codes) and/or additional institutions with the number of completions in metro Atlanta, we will gladly provide the data.

<sup>1</sup>The Classification of Instructional Programs (CIP) provides a taxonomic scheme that supports the accurate tracking and reporting of fields of study and program completions activity.

#### Engineering

University of West Georgia West Georgia Technical College

CIP 14.000 Engineering, except for:				
CIP 14.0901 Computer Engineering, General and CIP 14.0903				
Computer Software Engineering (below)				
Institution	Bachelor	Master	Doctor	Total

Georgia Institute of Technology	5,781	3,173	1,068	10,022
Kennesaw State University	698	39		737
Georgia Southern University	532	-		532
University of Georgia	239	30	16	285
Emory University	-	6	60	66
Morehouse College	15	-		15
Spelman College	8	-	-	8
Georgia State University	-	4	-	4
Oglethorpe University	1	-	-	1
Total	7,274	3,252	1,144	11,670

Source: EMSI

### Information Technologies

CIP 14.0901 Computer Engineering, General				
Institution	Bachelor	Master	Doctor	Total
Georgia Institute of Technology	322	-	-	322
University of Georgia	36	-	-	36
Kennesaw State University	19	14	-	33
Total	377	14	-	391

CIP 14.0903 Computer Software Engineering				
Institution	Bachelor	Master	Doctor	Total
Kennesaw State University	60	38	1	98

CIP 11.0101 Computer and Information	on Sciences	, General		
Institution	Bachelor	Master	Doctor	Total
Georgia Institute of Technology	899	527	124	1,550
Georgia State University	575	243	9	827
Kennesaw State University	372	141	-	513
Georgia Southern University	111	1	ı	111
Georgia Gwinnett College	100	-	-	100
University of West Georgia	69	-	-	69
Clayton State University	62	-	-	62
Morehouse College	42	-	-	42
Clark Atlanta University	29	-	ı	29
Spelman College	26	1	ı	26
University of Georgia	-	13	-	13
Total	2,285	924	133	3,342

CIP 11.0701 Computer Science				
Institution	Bachelor	Master	Doctor	Total

Georgia State University	302	139	30	471
Kennesaw State University	225	87	-	312
University of Georgia	230	47	21	298
Georgia Institute of Technology	-	218	15	233
Emory University	111	25	15	151
Clark Atlanta University	8	32	-	40
Clayton State University	23		-	23
Georgia Southern University	-	21	-	21
University of West Georgia	-	49	-	49
Total	899	618	81	1,598

CIP 11.0401 Information Science/Studies				
Institution	Bachelor	Master	Doctor	Total
Kennesaw State University	245	62	-	307
Georgia Southern University	293	-	-	293
Georgia Institute of Technology	-	-	10	10
Clayton State University	8	-	-	8
Total	546	62	10	618

CIP 52.1201 Management Information Systems, General					
Institution	Bachelor	Master	Doctor	Total	
University of Georgia	552	-	-	552	
University of West Georgia	96	-	-	96	
Georgia Southern University	52	-	-	52	
Total	700	-	-	700	

Source: EMSI

### Business, Accounting, Finance, Insurance

CIP 52.0101 Business/Commerce, General				
CIP 52.0201 Business Administration	and Manag	ement, G	eneral	
CIP 52.0299 Business Administration	, Manageme	ent and O	perations	, Other
Institution	Bachelor	Master	Doctor	Total
Emory University	1,027	1,121	17	2,165
Georgia Institute of Technology	1,196	913	24	2,133
Georgia State University	797	1,080	46	1,923
Kennesaw State University	684	532	47	1,263
DeVry University-Georgia	768	479	-	1,247
University of Georgia	610	550	26	1,186
University of Phoenix-Georgia	657	444		1,101
Strayer University-Georgia	579	473	-	1,052
Georgia Gwinnett College	809	-	-	809

Georgia Southern University	380	302	-	682
University of West Georgia	416	250	-	666
Shorter University	377	180	-	557
Clayton State University	268	204	-	472
Clark Atlanta University	194	65	-	259
Morehouse College	248	-	-	248
Total	9,010	6,593	160	15,763

CIP 52.0204 Office Management and Supervision				
Institution Bachelor Master Doctor Total				
Clayton State University	153	-	-	153
Total	153	-	-	153

CIP 52.0203 Logistics, Materials, and Supply Chain Management					
Institution Bachelor Master Doctor To					
Georgia Southern University	347		12	359	
Clayton State University	100		1	100	
Georgia Institute of Technology	-	33	-	33	
Kennesaw State University	4	-	-	4	
Total	451	33	12	496	

CIP 52.0301 Accounting

CIP 52.0304 Accounting and Finance

CIP 52.0305 Accounting and Business/Management

CIP 30.1601 Accounting and Computer Science

CIP 52.0399 Accounting and Related Services, Other

Institution	Bachelor	Master	Doctor	Total
Georgia State University	784	376	5	1,165
University of Georgia	610	473	-	1,083
Kennesaw State University	703	315		1,018
Georgia Southern University	254	115		369
University of West Georgia	188	35		223
Clayton State University	99	-	-	99
Clark Atlanta University	48	24	1	72
Emory University	30	30		60
Oglethorpe University	46	-	-	46
Reinhardt University	12	-	ı	12
Total	2,774	1,368	5	4,147

CIP 52.0801 Finance, General

CIP 52.0899 Finance and Financial Management Services, Other

CIP 52.0806 International Finance

Institution	Bachelor	Master	Doctor	Total
University of Georgia	1,278	1	1	1,278
Georgia State University	723	98	7	828
Kennesaw State University	455	-	-	455
Georgia Southern University	250	•	1	250
University of West Georgia	238	•	1	238
Total	2,944	98	7	3,049

CIP 52.1701 Insurance				
Institution	Bachelor	Master	Doctor	Total
University of Georgia	497	-	-	497
Georgia State University	105	70	6	181
Total	602	70	6	678

Source: EMSI

### Legal

CIP 22.000 Legal Professions and Studies				
Institution	Bachelor	Master	Doctor	Total
Emory University	-	283	869	1,152
University of Georgia	-	48	624	672
Georgia State University	-	16	614	630
Atlanta's John Marshall Law School	-	-	485	485
Clayton State University	56	-	-	56
Total	56	347	2,592	2,995

Source: EMSI



#### K-12 COMPUTER SCIENCE EDUCATION

Georgia is working to ensure every student has a chance to learn computer science skills during their K-12 education. The Georgia Department of Education participated in the development of the national K-12 Computer Science Framework, a set of concepts and practices developed by industry and private organizations from over a dozen states. Amazon was a supporter of the national framework. State standards for computer science in Georgia's elementary, middle and high schools are currently under development.

#### **High School Course Options - Computer Science**

In Georgia, public high school students have access to nine computer science courses as options for satisfying the foreign language/American Sign Language/computer science graduation requirement for admissions into the University System of Georgia (USG), including:

- 1. Computer Science Principles
- 2. Programming, Games, Apps and Society
- 3. Web Development
- 4. Game Design: Animation and Simulation
- 5. Embedded Computing
- 6. IB Computer Science, Year One
- 7. IB Computer Science, Year Two
- 8. AP Computer Science A
- 9. AP Computer Science Principles

Students can take either two units of the same foreign language, two units of American Sign Language, or two units of computer science that have an emphasis on coding and programming. Alternatively, high school students may choose to take one approved computer science course to satisfy one of four science units required.

#### **High School Career Pathways - IT and STEM**

Georgia's Department of Education Career, Technical and Agricultural Education (CTAE) Career Clusters offer high school students more than 130 career pathways within 17 career clusters, including Information Technology and Science, Technology, Engineering, and Mathematics. Students take classes tailored to the specific cluster. Each cluster includes multiple career pathways; however, not every career pathway is available at every school. Students begin to learn about potential careers in elementary and middle school, so they are ready to choose a pathway once they reach high school. Then they are guided through high school with a plan of study (see example <a href="here">here</a>) for academic, required elective, and recommended elective courses applicable to their career pathway of choice. To complete a CTAE career pathway, students must complete three or more pathway courses followed by the End of Pathway Assessment (EOPA).

Approximately 27,000 public high school students in metro Atlanta are enrolled in Georgia's Department of Education Information Technology (IT) career cluster. Georgia's IT career cluster includes ten career pathways:

- Computer Science courses include Introduction to Digital Technology, Computer Science Principles or AP Computer Science Principles, AP Computer Science
- Programming courses include Introduction to Digital Technology, Computer Science Principles or AP Computer Science Principles, Programming, Games, Apps and Society
- Web and Digital Design courses include Web Design, Digital Design, Introduction to Digital Technology
- 4. Web Development courses include Web Development, Computer Science Principles or AP Computer Science, Introduction to Digital Technology
- 5. Cybersecurity courses include Introduction to Cybersecurity, Advanced Cybersecurity, Introduction to Digital Technology
- 6. Internet of Things courses include Embedded Computing, Introduction to Digital Technology, Computer Science Principles or AP Computer Science
- 7. Game Design courses include Game Design: Animation and Simulation, Introduction to Digital Technology, Computer Science Principles or AP Computer Science
- 8. Networking courses include Networking Fundamentals, Networking Systems and Support, Introduction to Digital Technology
- 9. Information Support and Services courses include IT Essentials, IT Support, Introduction to Digital Technology
- Health Information Technology courses include Introduction to Healthcare Science, Essentials of Health Information Technology, Applications of Health Information Technology

Georgia's STEM career cluster includes an Engineering and Technology career pathway. Courses include Foundations of Engineering and Technology, Engineering Concepts, and Engineering Applications.

To help businesses understand the pipeline of aspiring young talent in Georgia, Georgia's Career Pipeline online tool is <u>available</u>. The number of enrolled students within every district and school for each career pathway can be queried.

#### **High School AP Education - Computer Science**

In 2017, more than 3,200 students in Georgia public schools took an AP Computer Science exam (Computer Science Principles or Computer Science A). More than 100 public and private high schools offered an AP Computer Science course in the 2016-2017 school year. Computer Science continues to grow each year with more schools gaining approval to teach AP.

#### AP Computer Science Exam Participation at Georgia Public Schools, 2017

AP Exam	Number of AP Exams
Computer Science Principles	1,696
Computer Science A	1,555

Total: 3,251

Source: The College Board, September 22, 2017

## Metro Atlanta Public and Private High Schools Offering AP Computer Science, 2016-2017

High School	AP Course	City
Allatoona High School	AP Computer Science Principles	Acworth
	AP Computer Science A; AP Computer	
Alpharetta High School	Science Principles	Alpharetta
	AP Computer Science A; AP Computer	
Chattahoochee High School	Science Principles	Alpharetta
Fulton Science Academy	AP Computer Science Principles	Alpharetta
Kings Ridge Christian School	AP Computer Science A	Alpharetta
Saint Francis High School	AP Computer Science Principles	Alpharetta
Ben Franklin Academy	AP Computer Science A	Atlanta
Coretta Scott King Young		
Women's Leadership Academy	AP Computer Science Principles	Atlanta
	AP Computer Science A; AP Computer	
Georgia Virtual School	Science Principles	Atlanta
	AP Computer Science A; AP Computer	
Henry W Grady High School	Science Principles	Atlanta
Holy Innocents Episcopal School	AP Computer Science A	Atlanta
Lovett School	AP Computer Science A	Atlanta
Marist School	AP Computer Science A	Atlanta
Pace Academy	AP Computer Science A	Atlanta
	AP Computer Science A; AP Computer	
Saint Pius X Catholic High School	Science Principles	Atlanta
The Weber School	AP Computer Science A	Atlanta

	AP Computer Science A; AP Computer	
The Westminster Schools	Science Principles	Atlanta
Bowdon High School	AP Computer Science Principles	Bowdon
Bremen High School	AP Computer Science A	Bremen
	AP Computer Science A; AP Computer	
Cherokee High School	Science Principles	Canton
Sequoyah High School	AP Computer Science A	Canton
Carrollton High School	AP Computer Science A	Carrollton
Mount Zion High School	AP Computer Science Principles	Carrollton
Chamblee Charter High School	AP Computer Science A	Chamblee
	AP Computer Science A; AP Computer	
Woodward Academy	Science Principles	College Park
	AP Computer Science A; AP Computer	J
Rockdale Career Academy	Science Principles	Conyers
Rockdale County High School	AP Computer Science Principles	Conyers
Covenant Christian Academy	AP Computer Science A	Cumming
	AP Computer Science A; AP Computer	J
Forsyth Central High School	Science Principles	Cumming
,	AP Computer Science A; AP Computer	J
North Forsyth High School	Science Principles	Cumming
<u> </u>	AP Computer Science A; AP Computer	J
South Forsyth High School	Science Principles	Cumming
, ,	AP Computer Science A; AP Computer	
West Forsyth High School	Science Principles	Cumming
Decatur High School	AP Computer Science Principles	Decatur
DeKalb High School of		
Technology - South	AP Computer Science A	Decatur
Chapel Hill High School	AP Computer Science Principles	Douglasville
Douglas County High School	AP Computer Science Principles	Douglasville
Duluth High School	AP Computer Science A	Duluth
Georgia Connections Academy	AP Computer Science A	Duluth
Northview High School	AP Computer Science A	Duluth
Dunwoody High School	AP Computer Science A	Dunwoody
Tri-Cities High School	AP Computer Science Principles	East Point
Landmark Christian School	AP Computer Science A	Fairburn
Our Lady of Mercy Catholic High		
School	AP Computer Science A	Fayetteville
Starr's Mill High School	AP Computer Science A	Fayetteville
Whitewater High School	AP Computer Science A	Fayetteville
Forest Park High School	AP Computer Science Principles	Forest Park
	AP Computer Science A; AP Computer	
Johns Creek High School	Science Principles	Johns Creek
Mount Pisgah Christian School	AP Computer Science A	Johns Creek
	AP Computer Science A; AP Computer	
Kennesaw Mountain High School	Science Principles	Kennesaw

Mount Paran Christian School	AP Computer Science A	Kennesaw
	AP Computer Science A; AP Computer	
North Cobb High School	Science Principles	Kennesaw
	AP Computer Science A, AP Computer	
Central Gwinnett High School	Science Principles	Lawrenceville
-	AP Computer Science A; AP Computer	
Discovery High School	Science Principles	Lawrenceville
Gwinnett School of Mathematics	AP Computer Science A; AP Computer	
Science and Technology	Science Principles	Lawrenceville
	AP Computer Science A; AP Computer	
Al-Falah Academy	Science Principles	Lilburn
	AP Computer Science A; AP Computer	
Berkmar High School	Science Principles	Lilburn
Killian Hill Christian School	AP Computer Science A	Lilburn
	AP Computer Science A; AP Computer	
Lithia Springs High School	Science Principles	Lithia Springs
Arabia Mountain High School	AP Computer Science Principles	Lithonia
Lithonia High School	AP Computer Science A	Lithonia
Martin Luther King Junior High	·	
School	AP Computer Science Principles	Lithonia
Luella High School	AP Computer Science A	Locust Grove
Grayson High School	AP Computer Science A	Loganville
Loganville Christian Academy	AP Computer Science A	Loganville
Loganville High School	AP Computer Science A	Loganville
Scholars Guild Academy	AP Computer Science Principles	Loganville
Walnut Grove High School	AP Computer Science A	Loganville
Whitefield Academy	AP Computer Science A	Mableton
Morgan County High School	AP Computer Science Principles	Madison
Lassiter High School	AP Computer Science A	Marietta
Marietta High School	AP Computer Science Principles	Marietta
	AP Computer Science A; AP Computer	
Pope High School	Science Principles	Marietta
	AP Computer Science A; AP Computer	
Walker School	Science Principles	Marietta
	AP Computer Science A; AP Computer	
Walton High School	Science Principles	Marietta
	AP Computer Science A; AP Computer	
Wheeler High School	Science Principles	Marietta
	AP Computer Science A; AP Computer	
Cambridge High School	Science Principles	Milton
	AP Computer Science A; AP Computer	
Milton High School	Science Principles	Milton
George Walton Academy	AP Computer Science A	Monroe
Jasper County High School	AP Computer Science Principles	Monticello
The Heritage School	AP Computer Science Principles	Newnan

	AP Computer Science A; AP Computer	
Greater Atlanta Christian School	Science Principles	Norcross
	AP Computer Science A; AP Computer	
Meadowcreek High School	Science Principles	Norcross
Norcross High School	AP Computer Science Principles	Norcross
Wesleyan School	AP Computer Science A	Norcross
		Peachtree
McIntosh High School	AP Computer Science A	City
		Powder
Hillgrove High School	AP Computer Science A	Springs
		Powder
McEachern High School	AP Computer Science Principles	Springs
Blessed Trinity Catholic High		
School	AP Computer Science Principles	Roswell
	AP Computer Science A; AP Computer	
Centennial High School	Science Principles	Roswell
Fellowship Christian School	AP Computer Science A	Roswell
	AP Computer Science A; AP Computer	
Roswell High School	Science Principles	Roswell
		Sandy
North Springs High School	AP Computer Science Principles	Springs
Riverwood International High		Sandy
School	AP Computer Science A	Springs
Brookwood High School	AP Computer Science A	Snellville
South Gwinnett High School	AP Computer Science A	Snellville
Community Christian School	AP Computer Science Principles	Stockbridge
Woodland High School	AP Computer Science Principles	Stockbridge
	AP Computer Science A; AP Computer	
Lanier High School	Science Principles	Sugar Hill
	AP Computer Science A; AP Computer	
Collins Hill High School	Science Principles	Suwanee
	AP Computer Science A; AP Computer	
Lambert High School	Science Principles	Suwanee
North Gwinnett High School	AP Computer Science A	Suwanee
	AP Computer Science A, AP Computer	
Peachtree Ridge High School	Science Principles	Suwanee
	AP Computer Science A; AP Computer	_
Sandy Creek High School	Science Principles	Tyrone
	AP Computer Science A; AP Computer	
Villa Rica High School	Science Principles	Villa Rica
Apalachee High School	AP Computer Science A	Winder
Winder-Barrow High School	AP Computer Science A	Winder
	AP Computer Science A; AP Computer	,,,
Etowah High School	Science Principles	Woodstock

	AP Computer Science A; AP Computer	
River Ridge High School	Science Principles	Woodstock
	AP Computer Science A; AP Computer	
Woodstock High School	Science Principles	Woodstock

Source: The College Board, September 29, 2017

#### K-12 Plans - Computer Science for All

In 2017, Douglas County Schools announced it will be the first district in Georgia to offer computer science classes at all grade levels. Douglas County will phase in the Computer Science for All initiative, in partnership with Code.org, Google, Georgia Tech Center for Education Integrating Science, Mathematics and Computing (CEISMC), and the Georgia Department of Education. The curriculum is expected for the 2019-2020 school year.

The Georgia Department of Education and key stakeholders for local computer science education are in the planning phase for a Computer Science for Georgia initiative. The current goal is to expand teacher professional development opportunities and raise public awareness for access to computer science courses. With a recent grant awarded from the National Science Foundation, five districts in Georgia, including Atlanta Public Schools (APS) and Douglas County Schools, will be a test ground for advancements in K-12 computer science education.

#### K-12 STEM Certified Schools

The Georgia Department of Education is dedicated to preparing students for 21<sup>st</sup> century careers by providing high-quality educational opportunities in science, technology, engineering, and mathematics (STEM) fields. There are 31 K-12 schools in metro Atlanta that are STEM-certified by the Georgia Department of Education.

Metro Atlanta STEM Certified Schools by the Georgia Department of Education

School	District	Level
Carrollton Elementary School	Carrollton City	Elementary
Clark Creek Elementary School	Cherokee County	Elementary
Rex Mill Middle School	Clayton County	Middle
Ford Elementary School School	Cobb County	Elementary
Tritt Elementary School	Cobb County	Elementary
Cooper Middle School	Cobb County	Middle
Kennesaw Mountain High School		
Academy of Mathematics, Science and		
Technology	Cobb County	High
Wheeler Center for Advanced Studies		
(STEAM certified)	Cobb County	High
Dunwoody Elementary School	DeKalb County	Elementary

Henderson Mill Elementary School		
(STEAM certified)	DeKalb County	Elementary
Hightower Elementary School	DeKalb County	Elementary
Sagamore Hills Elementary School	DeKalb County	Elementary
Tucker Middle School	DeKalb County	Middle
Lithia Springs High School	Douglas County	High
Forsyth Central High School	Forsyth County	High
Amana Academy-Elementary School	Fulton County	Elementary
River Eves Elementary School	Fulton County	Elementary
Woodland Elementary School	Fulton County	Elementary
Amana Academy-Middle School	Fulton County	Middle
	Griffin-Spalding	
Cowan Road Elementary School	County	Elementary
White Oak Elementary School	Gwinnett County	Elementary
Peachtree Ridge High School	Gwinnett County	High
Gwinnett School of Mathematics, Science		
and Technology	Gwinnett County	High
Lanier High School	Gwinnett County	High
Pleasant Grove Elementary School	Henry County	Elementary
Marietta Center for Advanced Academics	Marietta City	Elementary
Marietta 6th Grade Academy	Marietta City	Middle
Marietta Middle School	Marietta City	Middle
Newton College and Career Academy	Newton County	High
Memorial Middle School	Rockdale County	Middle
Rockdale Magnet School for Math and		
Science	Rockdale County	High

Source: Georgia Department of Education, January 11, 2017

Several Atlanta Public Schools (APS) are in the process of pursuing STEM certification and have selected career themes, including Coretta Scott King Young Women's Academy (Computer Science and Engineering), Washington High School (Computer Science), BEST Academy (Engineering), Douglass High School (Engineering), and South Atlanta High School (Engineering).

Atlanta-based, non-profit AdvancED, a world leader in school improvement and accreditation, is an international K-12 STEM certification provider. AdvancED's STEM certification provides a research-based framework and criteria for continuous improvement of the quality, rigor, and substance of each school's STEM programs. There are 32 K-12 schools in metro Atlanta that are STEM certified by AdvancED.

Metro Atlanta STEM Certified Schools by AdvancED

School	District	Level
Carrollton High School	Carroll County	High
Brumby Elementary School	Cobb County	Elementary
Cooper Middle School	Cobb County	Middle

Ford Elementary School	Cobb County	Elementary
Kennesaw Mountain High School	Cobb County	High
Lassiter High School	Cobb County	High
Mabry Middle School	Cobb County	Middle
Shallowford Falls Elementary School	Cobb County	Elementary
Tritt Elementary School	Cobb County	Elementary
Ashford Park Elementary School	DeKalb County	Elementary
Austin Elementary School	DeKalb County	Elementary
Briarlake Elementary School	DeKalb County	Elementary
Chapel Hill Elementary School	DeKalb County	Elementary
Chestnut Charter Elementary School	DeKalb County	Elementary
DeKalb Academy of Technology and Environment (D.A.T.E.)	DeKalb County	Elementary, Middle
Evansdale Elementary School	DeKalb County	Elementary
Hawthorne Elementary School	DeKalb County	Elementary
Huntley Hills Elementary School	DeKalb County	Elementary
Laurel Ridge Elementary School	DeKalb County	Elementary
Midvale Elementary School	DeKalb County	Elementary
Montgomery Elementary School	DeKalb County	Elementary
Oakcliff Theme School	DeKalb County	Elementary
Peachtree Charter Middle School	DeKalb County	Middle
R.E. McNair Discovery Learning Academy	DeKalb County	Elementary
Sagamore Hills Elementary School	DeKalb County	Elementary
Stone Mountain Middle School	DeKalb County	Middle
Vanderlyn Elementary School	DeKalb County	Elementary
Wadsworth Magnet School for High Achievers	DeKalb County	Elementary
Lithia Springs High School	Douglas County	High
Whitlow Elementary School	Forsyth County	Elementary
Peachtree Ridge High School	Gwinnett County	High
Marietta Center for Advanced Academics	Marietta City	Elementary
Marietta Center for Advanced Academics	Marietta City	Elementary

Source: AdvancED, October 3, 2017

#### **Examples of Teacher Professional Development (computer science/coding)**

#### Code.org

Seattle-based, non-profit Code.org, its regional partner Georgia Tech Center for Education Integrating Science, Mathematics, and Computing (CEISMC), and eight facilitators have provided professional learning in Georgia for 3,059 teachers in Computer Science Fundamentals (K-5), 27 teachers in Exploring Computer Science and 46 teachers in Computer Science Principles. Code.org's Computer Science Fundamentals workshops are free for K-5 teachers interested in teaching computer science. There are 12,019 teacher accounts and 469,972 student accounts on Code.org in Georgia.

Georgia Tech Center for Education Integrating Science, Mathematics and Computing (CEISMC)

Georgia Tech's CEISMC enhances PreK-12 and post-secondary STEM education by drawing upon the Georgia Tech community to stimulate interest in STEM among students and teachers. CEISMC is a Code.org professional learning partner for training teachers throughout Georgia to teach computer science at all grade levels. CEISMC, which began in 1990, also partners with various local school districts and/or schools to implement programs as well as advocate for systemic changes to improve K-12 performance, with an emphasis serving those underrepresented in STEM education.

#### honorCode

Atlanta-based non-profit honorCode won first place in the not-for-profit class at the 2016 \$1 Million Change the World Competition at the Forbes Under 30 Summit held in Boston, taking home \$50,000 in cash from the Charles and Lynn Schusterman Family Foundation and \$375,000 in media grants from Forbes. Founder Jeffrey Martín's organization provides K-12 project-based coding curriculum to teachers and school partners as well as after-school programming and emotional support. Atlanta native Martín aspires to make coding an economic empowerment tool for students, especially in the Black and Latino communities. More than 1,400 Atlanta students and 40 teachers were impacted at the end of honorCode's first year of operation.

Georgia Innovation in K-12 Computer Science/Coding Professional Learning Grants

The State of Georgia has a competitive grant program that supports education agencies and individual schools that improve instruction in computer science/coding. Each grant winner receives up to \$150,000 to support innovative professional learning programs that promote student achievement or expand student access to computer science/coding programs. Grant winners from the last two years include Georgia Tech Research Institute and Sandy Creek High School in Fayette County.

#### Integrating Computer Science Project at Centennial Academy

Georgia Tech, Georgia State University, and the International Society for Technology in Education (ISTE) support teachers in grades 3-5 at Centennial Academy to integrate computer science into lessons through project-based learning. The three-year program is funded by a \$1.2 million grant to Georgia State University from the National Science Foundation. Centennial Academy, in the heart of downtown Atlanta, is a K-8 conversion charter school with a STEAM focus that was built on the site formerly occupied by Techwood Homes, the nation's first public housing project.

#### Examples of Student Development/Free Programs (computer science/coding)

#### Georgia Day of Code

In partnership with Code.org, the Technology Association of Georgia (TAG) and TAG Education Collaborative (TAG-Ed) developed Georgia Day of Code as an opportunity for teachers, students and individuals of all ages to get exposed to coding skills. Georgia Day of Code occurs annually during Computer Science Week in conjunction with Code.org's Hour of Code initiative.

#### ChickTech Atlanta

ChickTech Atlanta's ChickTech High School is a year-long series of STEM-related opportunities for 100 select high school girls in the Atlanta area, particularly focused on girls with no technology creation experience. The free program is meant to supplement education by providing mentoring, workshops, and internships during the summer. The program begins with a two-day weekend event in November for girls to work together building STEM projects to be presented at a tech fair open to the community. Girls may attend additional workshops throughout the school year.

#### Atlanta BridgeCommunity Coding and Entrepreneur Camp

In partnership with the Coca-Cola Company and STEAMSport Inc., the Technology Association of Georgia (TAG) and TAG Education Collaborative (TAG-Ed) held a free, four-week summer camp for 30 select students from Title 1 Atlanta public high schools. The camp is part of Coca-Cola's High School Future Entrepreneurs Program (HS-FEP) that works to prepare the next generation of entrepreneurs.

#### Tino J. Mantella Coding Camp

In partnership with STEAMSport, Inc., the Technology Association of Georgia (TAG) and TAG Education Collaborative (TAG-Ed) held the inaugural Tino J. Mantella Coding Camp. This free, four-week program was provided to 30 select high school students in

TAG-Ed's Exploring STEM Careers Pipeline program.

Girls Who Code Atlanta Summer Immersion Program

Five major employers in metro Atlanta participate in the Girls Who Code Summer Immersion Program: Accenture, AT&T, First Data, GE and Turner. The free, sevenweek program for 10<sup>th</sup> and 11<sup>th</sup> grade girls covers computer science projects, guest speakers, and connections with female engineers and entrepreneurs, workshops, and field trips. Participants conclude the program by building a final project and presenting to their class.

#### **International Baccalaureate Programs**

The International Baccalaureate (IB) offers a continuum of international education. The programs encourage both personal and academic achievement, challenging students to excel in their studies and in their personal development. Schools with such programs are known as IB World Schools.

There are a number of IB World Schools across metro Atlanta. The following list includes a sampling of IB World Schools in the region:

- Campbell High School
- Carrollton High School
- Decatur High School
- Douglas County High School
- Druid Hills High School
- Lovejoy High School
- Marietta High School
- Martin Luther King Jr. High School
- Maynard Holbrook Jackson High School
- Norcross High School
- North Atlanta High School
- Notre Dame Academy
- Riverwood International Charter School
- Shiloh High School
- South Forsyth High School
- Tucker High School
- Westlake High School

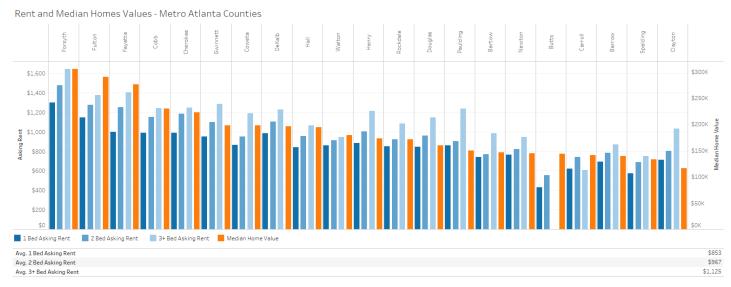
# CHOOSEATL

#### ATLANTA IN-TOWN RESIDENTIAL REAL ESTATE

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Sampling of Intown Neighborhoods	Current Homes For Sale	Average Days on Market	Current Price Range
Ansley Park	34	107	\$648,000 - \$4,495,000
Atlantic Station	81	70	\$425,000 - \$735,000
Avondale Estates	38	57	\$259,000 - \$765,000
Cabbagetown	4	33	\$259,000 - \$353,000
Candler Park	11	83	\$449,900 - \$1,285,000
Castleberry Hill	28	62	\$210,000 - \$1,999,000
Decatur	220	61	\$774,119 - \$1,300,000
Druid Hills	142	112	\$819,900 - \$2,699,000
Grant Park	60	60	\$350,000 - \$799,000
Inman Park	17	54	\$259,000 - \$1,450,000
Kirkwood	53	63	\$349,000 - \$749,000
Lake Claire	23	71	\$375,000 - \$1,199,000
Lavista Park	15	112	\$400,000 - \$1,600,000
Lindridge - Martin Manor	3	95	\$399,500 - \$399,500
Loring Heights	11	32	\$615,000 - \$899,900
Midtown	398	67	\$199,900 - \$2,100,000
Morningside - Lenox Park	99	102	\$435,000 - \$2,350,000
Oakhurst	26	67	\$385,000 - \$1,300,000
Old Fourth Ward	28	86	\$350,000 - \$1,000,000
Ormewood Park	29	60	\$279,000 - \$634,900
Peoplestown	3	74	\$450,000 - \$450,000
Piedmont Heights	8	41	\$525,000 - \$749,000
Poncey Highland	16	45	\$400,000 - \$1,215,000
Reynoldstown	20	98	\$409,900 - \$699,000
Sherwood Forest	10	130	\$759,000 - \$2,595,000
SoNo District	11	53	\$156,000 - \$845,000
Summerhill	5	78	\$154,700 - \$544,900
Sweet Auburn	5	20	\$277,000 - \$984,900
Virginia Highland	34	76	\$550,000 - \$1,525,000
Winnona Park	13	60	\$450,000 - \$889,900
Woodland Hills	5	63	\$425,000 - \$795,000
	Current Homes	Average Days on	
Sampling of Atlanta High Rise Condos	For Sale	Market	Current Price Range
1010 Midtown	16	56	\$339,900 - \$769,900
Aqua	7	110	\$454,900 - \$839,900
Astoria	3	97	\$559,900 - \$712,500
Buckead Grand	9	48	\$249,900 - \$379,400
Eclipse	22	91	\$189,900 - \$329,900
Metropolis	13	30	\$219,000 - \$435,000
Paces 325	4	63	\$216,500 - \$369,900
The Brookwood	5	95	\$549,900 - \$719,900
	Current Homes	Average Days on	0 10 0
Sampling of Atlanta Lofts	For Sale	Market	Current Price Range
123 Luckie		83	\$425,000 - \$425,000
805 Peachtree	7	105	\$245,500 - \$393,900
905 Juniper	3	99	\$525,000 - \$625,000
Arizona Lofts	6	42	\$285,000 - \$295,000
Mathieson Exchange Lofts	3	64	\$445,000 - \$1,295,000
The Stacks	10	38	\$277,000 - \$334,900
Tribute Lofts	7	75	\$225,000 - \$264,000
Source: Harry Norman Realtors			

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#### **AVERAGE ASKING RENT AND MEDIAN HOMES VALUES**



Source: Zillow, 2017; CoStar 2017



#### STARTUP ECOSYSTEM

Following is a sampling of Atlanta's accelerators, incubators and workspaces.

#### **Accelerators**

Baker Donelson Cybersecurity Accelerator Buckhead

Baker Donelson's Cybersecurity Accelerator (BDCA) strives to accelerate the growth of domestic and international cybersecurity companies within Atlanta's unique cybersecurity ecosystem. BDCA provides office space and connects emerging companies to mentorship, talent, customers and capital.

Flashpoint at Georgia Tech *Midtown* 

Flashpoint at Georgia Tech combines startup engineering techniques and highly individualized mentorship to help startups understand their customer's and market fit. By working with Flashpoint, startups complete the accelerator program with greater insight to existing and future problems to tapping into customer based needs and ensuring customers will default into buying. Georgia Tech's Startup Engineering program has developed and made available to Flashpoint's cohorts. flashpoint.gatech.edu

Greenhouse - Green Accelerator Alpharetta

The Greenhouse Accelerator supports startups over a span of three years seeking candidates whose products and services impact positive resource use. Early stage green business and technology startups helps develop structure and cultivate business opportunity for startups through seed loans, educational and peer support, and interactive workshops. greencs.org/greenhouse

NeuroLaunch Alpharetta

The world's first neuroscience startup accelerator, NeuroLaunch serves as the most robust community of neuroscience innovators, investors, and thought leaders.

NeuroLaunch's 90-day curriculum exposes startups to strategic partnerships and a world-class network to help them launch and scale. Depending on the stage of the company, NeuroLaunch provides seed funding to startups to meet their goals. neurolaunch.com

Points of Light Civic Accelerator West Midtown

Points of Light is the first "civic ventures" accelerator for startups that inspires and mobilize people to create positive change. This 12-week boot camp is dedicated to early-stage startups and equipping them with resources to create economic opportunities throughout the nation. This civic accelerator helping startups create innovative solutions and promote civic engagement. cvcx.org

Techstars Atlanta
Old Fourth Ward

Techstars Atlanta, in partnership with Cox Enterprises, enables startups that drive positive change in an interconnected world. Through a three-month immersive program, Techstars guides startups through mentorship and develops connections to investors and a global network. Techstars develops startups into leaders of thriving and everchanging industries. techstars.com/programs/atlanta-program

#### **Incubators**

Advanced Technology Development Center *Midtown* 

Advanced Technology Development Center (ATDC) is a technology business incubator for tech companies within Georgia. ATDC introduces entrepreneurs to coaching, capital, customers and resources to build and launch companies. Since opening its doors in 1981, ATDC has graduated nearly 170 companies from its program. atdc.org

Digital Undivided Downtown

Digital Undivided (DID) fosters economic growth through the development of high potential women of color entrepreneurs. By providing access to unmatched networks, coaching, and funding, Digital Undivided helps build and scale companies to impact local communities. DID excels in developing a startup toolkit exclusive to the development and training of entrepreneurs. digitalundivided.com

#### IgniteHQ

IgniteHQ is north Georgia's premier model of a modern-day startup incubator, business accelerator and co-working hub hybrid. It provides everything needed to enable the long-term success and growth of new and early stage companies by providing physical workspace, educational programming, mentorship and more. ignitehq.co

Prototype Prime Peachtree Corners

Prototype Prime helps early-stage hardware and software startups launch. With unique features such as their design & development lab and a custom podcast room, Prototype Prime offers opportunities to expand education and marketing. In partnership with ATDC, members also are granted membership to ATDC. prototypeprime.com

Women's Entrepreneurship Initiative Downtown

Women's Entrepreneurship Initiative (WEI) produces immersive experiences for women entrepreneurs and aspiring business owners. Offering a supportive environment with seasoned mentors and consultants, a collaborative space to foster growth and post-incubation support to reinforce longevity, WEI excels at community engagement for women entrepreneurship. WEI identifies and cultivates strong relationships for traditional funding sources. weiatlanta.com

#### Workspaces

Atlanta Tech Village Buckhead

Atlanta Tech Village (ATV) serves as a collaborative office space for startups. The coworking space is in the heart of Buckhead and provides a sense of community within the tech ecosystem. ATV supports and inspires entrepreneurs to achieve success with a community of thriving technology startups. atlantatechvillage.com

Center for Civic Innovation Downtown

Fostering civic solutions to inequalities faced within metro Atlanta, Center for Civic Innovation hosts programs for community based social entrepreneurs. CCI offers entrepreneurs the opportunity to obtain operational guidance, funding, and support. civicatlanta.org

Digital Ignition Alpharetta

Alpharetta tech incubator, Digital Ignition, supports early-stage technology and digital media companies. Digital Ignition's working environment is conducive to innovation, flexibility, and growth. Tech entrepreneurs can create, develop, and network within their spacious co-working facility. digitalignition.com

Flatiron City Downtown

ATL's oldest skyscraper houses present leading innovators in a wedge-shaped block between Poplar Street NW, Broad Street NW, and Peachtree Street NW. Home to a few of Atlanta's incubators, Microsoft Innovation Center and Georgia Tech's ATDC, FlatironCity bolsters community through such successful incubators. flatironcity.com

Industrious

Midtown & Old Fourth Ward

Located in Midtown's famed Silhouette and within Ponce City Market, Industrious' refined co-working facility inspires community among thriving entrepreneurs. Industrious offers ample room for entrepreneurs to network, learn, and grow within the startup ecosystem. industriousoffice.com

NEX Atlanta *Grant Park* 

NEX Atlanta offers a diverse membership and unique method of co-working. Creators of Burning Plan, NEX hosts events and caters to the growth and success of their members and the stages of their startups. They also offer help to individuals looking to break into the startup ecosystem and make their mark through organizational membership processes. nexatlanta.com

Roam

Alpharetta, Buckhead, Dunwoody & Cumberland

If you're on the move and need a place to meet, work, and learn Roam offers a better way to work and develop your business. With multiple locations in Alpharetta, Buckhead, Dunwoody, and Cobb Galleria you have access to all four spaces with just one membership. Join them on their Local Collective series highlighting entrepreneurs and transformational leadership. meetatroam.com

Sandbox ATL Midtown

Sandbox ATL serves as the premier membership club for Tech Square. Entrepreneurs, investors, and founders come together and engage through meet ups, events, and offers a collaborative space. The Garage, a coworking space and venue, is accessible to members to create ideas build startup camaraderie. sandboxatl.com

Shared Space ATL Dunwoody

Shared Space ATL provides support for startups of all sizes and stages. This Dunwoody co-working space offers business tools, daycare, and informative events for their members, developing a community to help startups reach their full potential. Shared Space provides resources and a home base for early stage startups. sharedspaceatl.com

Switchyards Downtown

Atlanta's members-only consumer and design-focused club is dedicated to helping companies build beautiful products. Switchyards hosts event series, serves as an incubator, and accelerates companies from a renovated 1920's building located on Ted Turner Drive. switchyards.com

Strongbox West West Midtown

Notable companies call Strongbox West home and continues to spaces ranging from quick drop-ins to premier private spaces. Catering to all types of business and entrepreneurs, Strongbox West's culture is funky and creative and strives to make its members more successful. The Atlanta co-working space has grown significantly and even relocated to a larger space on the west-side to call home. strongboxwest.com

Tech Square Labs *Midtown* 

TechSquare Labs is located in Georgia's center of gravity for innovation. It operates as an incubator and seed fund as well as supports coworking and corporation innovation. Corporate innovation spaces, cutting edge research centers, and successful startup incubators fill this exciting co-working environment. Build something from nothing as TechSquare Labs supports and challenges your startup ideas. techsquare.co

## The Gathering Spot Northyards

The innovative and modern members-only club bringing young professionals together caters to creative and entrepreneurs. The Gathering Spot offers a diverse community creating the perfect balance of a social and work environment in Atlanta. Members benefit from concierge services and an abundance of resources to reach their maximum potential. thegatheringspot.club

WeWork
Buckhead and Midtown

WeWork serves as workspace, community, and provides services for a global network of creators. The latest Buckhead location has emerged as one of Atlanta's most sought after co-working space for entrepreneurs. WeWork offers one-on-one sessions with investors and industry leaders to help startups build and expand. wework.com

#### Alpharetta Technology Center

The Alpharetta Technology Commission (ATC) Innovation Center in Alpharetta is a one of a kind facility offering a collaborative space for entrepreneurs and technology to gather, work and learn. The ATC Innovation Center is home to startups, accelerators and host of various technology events. The Center is the next step forward in making Alpharetta truly "The Technology City of South." innovatealpharetta.com